
Brigham Young University Quarterly

Vol. XVII

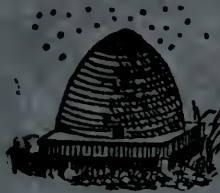
MAY 1, 1921

No. IV

Annual Catalogue

FOR THE SCHOOL YEAR

1921-22



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PROVO, UTAH

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1921-22



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Brigham Young University Quarterly

Annual Catalogue for the
School Year
1921-22



Published by
The Brigham Young University
Provo, Utah

University Calendar

1921

AUTUMN QUARTER

September 12 and 13, (Monday and Tuesday) Registration of students.

September 14, Instruction begins.

October 16, Founder's day (Celebrated Oct. 17.)

November 24, 25, Thanksgiving vacation.

December 2, (Friday) Autumn quarter closes.

WINTER QUARTER

December 5, (Monday) Winter quarter begins.

December 21, (Thursday) Christmas vacation begins.

1922

January 4, (Wednesday) Instruction resumed.

March 10, (Friday) Winter quarter closes.

SPRING QUARTER

March 13, (Monday) Spring quarter begins.

May 28, (Sunday) Baccalaureate Sermon.

June 2, (Friday) Forty-sixth Commencement Exercises.

Church School Officers

GENERAL CHURCH BOARD OF EDUCATION

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SUPERINTENDENT OF CHURCH SCHOOLS

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Director Training School

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Professor of Economics and Sociology
Acting Dean of the College of Education

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Professor of Chemistry

ALFRED OSMOND, M. A.,
Professor of English

*The University Council consists of the President and all members of the Faculty with the rank of Professor, Associate Professor, and Assistant Professor.

†On leave of absence.

BRIGHAM YOUNG UNIVERSITY.

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*On leave of absence.

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Professor of Business Administration

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(Wind Instruments)

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Assistant Professor of Biology

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Assistant Professor of Business Law

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Assistant Professor of Animal Husbandry

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Principal Secondary Training and Vocational Courses

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Instructor in English

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ANNIE L. GILLESPIE,
Librarian

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Secretary to the President
Purchasing Agent

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Director of Extension Division

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HATTIE WRIGHT, A. B.,
Instructor in Domestic Science

OLGA WUNDERLY, A. B.,
Instructor in Modern Languages and Typewriting

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Instructor in Music

PERCIVAL C. BIGLOW,
Instructor in Auto Mechanics

ELMER NELSON,
Instructor in Piano

ARETTA YOUNG, B. Pd.,
Instructor in Art

MAZIE CAMPBELL, A. B.,
Instructor in Domestic Art

ALGIE EGGERTSEN BALLIF, A. B.,
Instructor in Physical Education and Oral Expression

*On leave of absence.

THE FACULTY.

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BERTHA ROBERTS,
Instructor in Shorthand and Typewriting

GLEN VAN WAGENEN, A. B.,
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ANNA OLLORTON,
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Assistant in Typewriting

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Assistant in Mathematics

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Assistant in Physics

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Assistant in Physics

FLOYD G. EYRE,
Assistant in History

CARL CHRISTENSEN,
Assistant in Chemistry

ARTHUR BOND,
Assistant in Chemistry

BRIGHAM T. HIGGS,
Superintendent of Buildings and Grounds

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M. WILFORD POULSON, M. A., *In Charge of Junior High School*

MARY J. OLLORTON, A. B., *Assistant Director*

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C. LEVAR JENSEN, *Critic and Grade Teacher*

HAZEL BROCKBANK, *Critic and Grade Teacher*

FANNIE McLEAN, B. Pd., *Critic and Grade Teacher*

PEARL SNOW, *Critic and Grade Teacher*

LILLIAN JENSEN, *Critic and Grade Teacher*

CORDELIA ANDERSON, *Critic and Grade Teacher*

_____, *Critic and Grade Teacher*

RAMONA FARRER, *Critic and Grade Teacher*

MARGUERITE JEPPERSON, *Music*

*On leave of absence.

STANDING COMMITTEES.

The President is *ex-officio* a member of all committees.

Admission and Credits—Carl F. Eyring, John E. Hayes.

Aiding Graduates to Obtain Employment—K. B. Sauls, H. V. Hoyt.

Alumni Directory—J. E. Hayes, Annie Gillespie, Anna Ollerton.

Athletics—C. H. Carroll, Herald Clark, E. L. Roberts, J. Wm. Knight, President of Student Body, President of Alumni Association.

Attendance and Scholarship—M. P. Henderson, B. F. Cummings, C. Y. Cannon.

Awards and Prizes—T. Earl Pardoe.

Care of Girls and Women's Activities—Alice L. Reynolds, Margaret H. Eastmond, Algie E. Ballif, Vilate Elliott, Ethel Cutler, Lydia Hasler Candland.

Catalogue and Other Quarterlies—E. H. Holt, Christen Jensen, E. H. Eastmond, J. E. Hayes, K. B. Sauls.

Debating—Christen Jensen, T. Earl Pardoe, J. C. Swenson.

Eligibility—B. F. Cummings, J. E. Hayes.

Graduation—Fred Buss, Thomas L. Martin, Walter P. Cottam.

Health and Habits of Students—Dr. C. H. Carroll, E. L. Roberts, Ethel Cutler.

Lectures and Musicals—J. C. Swenson, Herald R. Clark.

Library—Alice L. Reynolds, M. W. Poulson, G. H. Brimhall, Librarian.

Petitions—C. Y. Cannon, E. D. Partridge, J. E. Hayes.

Publicity—Lowry Nelson, J. M. Jensen, E. H. Holt, K. B. Sauls, H. R. Merrill.

Schedule of Events—K. B. Sauls.

Schedule of Classes—M. W. Poulson.

Social Affairs—E. L. Roberts, T. Earl Pardoe, Wm. H. Boyle.

Student Accommodations—W. H. Boyle, B. F. Larson.

Student Aid and Employment—E. D. Partridge, Vilate Elliott, H. M. Woodward.

Supervision of Student Publications—Lowry Nelson, Alice L. Reynolds, E. H. Eastmond.

Brigham Young University

HISTORICAL

The Brigham Young University, formerly designated the Brigham Young Academy, was founded by a deed of trust executed by President Brigham Young, October 16, 1875.

It is in charge of twelve trustees, elected triennially, by the vote of the Latter-day Saints, acting through the First Presidency of the Church of Jesus Christ of Latter-day Saints.

For many years it was dependent upon fees and the proceeds of the original endowment for its support, but in recent years an annual Church appropriation has been the chief source of its financial support.

The first home of the institution was a mercantile building, standing on the present location of the Farmers and Merchants Bank, the upper story of which had been used for an Ausement Hall.

Subsequently, this building, with several additions, was destroyed by fire. The school, however, resumed its sessions with the loss of but one day. The basement of the stake tabernacle, a store, and the First National Bank building, housed the school for a short time.

From these temporary quarters it moved into the upper story of the Z. C. M. I. warehouse, a building adjoining the railroad station at the corner of Sixth South street and University Avenue. This was the home of the school for six years.

From the warehouse the school moved into a \$75,000 brick building erected from Church appropriations, supplemented by donations from the general public, the student body, the faculty, the alumni association, and gen-

erous patrons. This building is known as the High School building.

To the High School building was added the Collegiate building, the upper story of which is an assembly room known as College Hall. The Collegiate building was the gift of ten persons, whose names are found upon a marble tablet in a hall of the building. It was equipped by friends and the faculty.

The needs of the Training School were provided for by the erection of a three-story building, the upper story of which is used for a men's gymnasium. The cost of the structure was \$35,000 contributed by friends, chief among whom was "Uncle" Jesse Knight.

The Art building came to the institution by general subscription from the five stakes comprising at that time this Academic district.

The Alumni Association, in honor of the father of the faculties, presented the institution with the Maeser Memorial. The cost of the building was \$112,000. The heating plant and furnishings, were supplied by the Church.

The Iron Work building was erected and furnished by contributions.

The Women's Gymnasium, which is also a recreation building, was paid for from receipts made by judicious investments of the Board and Church appropriations. The building cost \$35,000.

The commodious shop now occupied by the Auto-Mechanics department, and the new Mechanic Arts building came to the school through Church appropriation.

The first campus of the school was limited to a small play ground back of the building which was destroyed by fire. The High School building was erected in the center of a block 24 by 24 rods. Here the trees which have grown into groves, the lawns, the flowers, and the shrubbery were planted by the students and the faculty. The putting in of paved walks was a joint effort of students and patrons. Among the patrons, the

Jex Family and Lafayette Holbrook deserve special mention.

Then came the purchase of Temple Hill. As early as 1904 steps were taken to acquire land on this site. A purchase of seventeen acres was made from Provo City. A gift of something over seven acres came from the Fourth ecclesiastical ward of Provo; part of an acre was purchased by an alumnus, and the point of the hill by the student body. The remaining area, comprising the present campus of 38 acres, was purchased by the Brigham Young University.

On February 11, 1909, by an action of the General Church Board of Education the collegiate department of the University was designated The Church Teachers' College.

The first credential granted by the institution was a teachers certificate given on the completion of one year's normal work. This was followed by a certificate requiring two years' normal work, followed later by the degree of Bachelor of Pedagogy, issued upon the completion of four years' normal work.

For a brief period the Bachelor of Arts degree was issued for seven years' work, but later the standard college requirements were made, calling for four years' high school work and four years' college work. Master degrees have been authorized for the past five years. Honorary degrees have been conferred by the institution upon Emmeline B. Wells, Charles W. Penrose, and George H. Brimhall.

The first faculty consisted of the principal and two assistants, Dr. Karl G. Maeser, Dr. Milton H. Hardy, and Kristina Smoot. The faculty now numbers seventy-nine.

The student body has beautified the grounds, dug sewer trenches, cleared forty acres of sage brush land, fenced the campus, built the track, erected the grand stand, equipped the Men's Gymnasium, purchased the point of Temple Hill, put the "Y" on the mountain side, paid for five acres of campus extension, built in the main

the pony trail to Maple Flat, assisted in the building of the boulevard to Provo canyon, and has turned out en masse to help the farmers of the vicinity save their crops from the frost. It has also added many hundreds of volumes to the library.

Five of the ten persons who are responsible for the building of the Collegiate Building are members of the Alumni association, as also are many of the purchasers of the tableted chairs in College Hall. The great feat, however, of the association was the building of the Maeser Memorial.

The faculty has taught on part pay to carry the school over a financial crisis, purchased a thousand dollars' equipment for a physical laboratory, paid the major part of the cost of the heating plant of the collegiate building, and added thousands of volumes to the library.

The members of the Board of Trustees have pledged their private fortunes to secure the financial prosperity of the school; they have led in contributions for the support of the school; they have initiated and carried out enterprises and made investments which supplied pressing needs of the school. All this service has been gratuitous.

At the beginning of the school year 1920-21, the name Church Teachers' College was changed to School of Education, and the School of Arts and Sciences was established.

April 26, 1921, President George H. Brimhall retired as President of the University and was made President Emeritus. On the same date, Dr. Franklin Stewart Harris was appointed president, these changes going into effect July 1, 1921.

During 1921 a college of Commerce and Business Administration was organized and courses leading to a degree of Bachelor of Science outlined. The names **School of Education** and **School of Arts and Sciences**, were changed to **College of Education** and **College of Arts and Sciences**.

Organization

The Brigham Young University as now organized comprises:

1. A College of Education.
2. A College of Arts and Sciences.
3. A College of Commerce and Business Administration.
4. An Extension Division.
5. A Research Division.

An Elementary Training School and a Secondary Training School are maintained in connection with the College of Education. Vocational courses are offered in the Secondary Training School for mature persons not ready for college work.

CLUBS AND SOCIETIES

ART SUPERVISION ASSOCIATION

This organization consists of the normal students of fine and applied arts, who have been graduated by this institution; also of prospective graduates in these lines. The purpose is the special advancement of this particular line of educational work.

ART SERVICE CLUB

This organization has been established for the benefit of students having special talent in any particular phase of fine and applied art. Students become life members on entrance and remain such as long as advancement is shown by them. During the year, lectures on practical topics in connection with arts and crafts are given by members of the faculty, and other recognized educators. Exhibitions of artists' and of craftsmen's work are held under the auspices of this organization.

Various projects for developing an appreciation of professional expression are promoted.

THE MUSIC SOCIETY

This is a society of the students in music, the purpose being to study classic selections. The society meets weekly for an hour's recital by the instructors and leading students in music.

THE LITERARY CLUB

The purpose of this organization is to develop greater appreciation for good literature and to give opportunity for practice in oral and written expression. Carefully prepared lectures on literary topics and dramatic readings will be given by advanced students, members of the English faculty, and others.

THE DRAMA LEAGUE

The purpose of this league is to foster the art of reading and dramatics, to appreciate paintings and music, and to give opportunity to its members, to hear lectures and readings from the best talent of the state as well as those who are on the lecture platform and the stage. The society meets weekly, and is affiliated with the Drama League of America.

HOME ECONOMICS CLUB

This club is organized to foster the interest of the girls who take courses in Home Economics. It holds regular meetings at which interesting lectures are given. It also conducts social activities. Girls taking any of the courses in Home Economics are eligible for membership.

B. Y. U. WOMEN'S ORGANIZATION

This organization consists of the women who are teaching in the University, and the wives of faculty members. Its purpose is to foster the ideals of the institution

and to help furnish wholesome recreation and social amusements for the faculty.

THE STUDENT BODY

This organization encourages and unifies the activities of the students in their interclass competitions, their competitions with other schools, and in their efforts to advance the interests of the University. Through this organization the students publish the school paper, and also the University year book, the "Banyan." The debating activities of the school, also are fostered by and are under its management. The organization also functions as an auxiliary of school discipline.

PRIZES AND AWARDS

The Jex Gold Medal is awarded annually for the best oration on any subject. This medal is presented by the Jex family.

The Kirkham Medal, a gift of Francis W. Kirkham, is given to those students who are members of the intercollegiate debating teams.

The Gold Medal for the best original story is given by the Committee on the Care of Girls and Women's Activities.

The Provo Commercial Club Gold Medal is presented annually to the most efficient student in the University.

The Student Body Gold Medal, offered by the Student Body, is awarded annually for the best oration on any subject, given at the Thanksgiving exercises. It is open to all students except those who have previously won honors in debating or oratory.

The Special Student Body Gold Medal is presented for the best oration on any subject. It is open to all students.

The Dixon Silver Cup is presented for the best extemporaneous speech. It is given annually by Mr. Rulon Dixon.

The Elsie Chamberlain Carroll Gold Medal is awarded annually to the student of the University writing the best short story.

The Adams Gold Medal, offered by Mr. and Mrs. Walter Adams is awarded annually to the student who best renders two selected compositions on any stringed instrument, other than the piano. One selection is to be by an American composer and the other is to be by a recognized artist.

The Taylor Gold Medal, offered annually by Mr. Lester R. Taylor is for excellence on the pianoforte. Mr. Taylor has stipulated that one composition shall be by some recognized artist. Open to all students of the University.

The Pardoe Gold Medal, offered by Professor and Mrs. T. Earl Pardoe is awarded annually to the student rendering the best selections on any wind instrument. One selection shall be by an American composer and the other shall be by a recognized artist.

The Woolley Gold Medal to be awarded annually by Mary Woolley to the student giving the best rendition of a Humorous Reading. Open to all students.

The Dr. Horace G. Merrill Silver Loving Cup is awarded to the student of the University who shall attain first place in the annual Cross Country Run, held immediately preceding the Thanksgiving recess. Should any student win first place more than twice, the cup becomes the permanent property of the individual.

ACCOMMODATIONS

The University emphasizes the value of home life and the people of Provo have shown great educational patriotism in providing for the comfort and convenience of students. If patrons will make their wants known in advance, much delay in getting students properly located will be avoided.

The price of accommodations at private homes varies as it does at hotels and rooming houses, the rate depend-

ing upon what the student wants and his willingness to pay.

Provo is a city of modern homes. Its sidewalks and business centers are paved and no one need fear a lack of accommodation within easy access of the University.

DISCIPLINE

The standards of honor and Christian integrity consistent with Latter-day Saint ideals are required. Within these limits the students are given the fullest freedom. Those who fail to conform to these standards either in personal habits or association are subject to discipline.

The use of tobacco will not be permitted, and having improper associates or visiting places of questionable repute will not be tolerated.

All social functions given by any organization of the school are under the direction of the standing committee on socials. Any disciplinary announcement made by the executive of the institution becomes a part of these regulations. Violation of regulations makes the offender liable to suspension or expulsion.

Regular attendance is required at all recitations, laboratory and field work, and all absences therefrom must be explained to the instructors concerned. The Committee on Attendance and Scholarship has general supervision of the disciplinary work of the institution.

LIBRARY

The library contains about twenty thousand bound volumes, apart from the government depository and numerous pamphlets. In addition to local and state papers, the library contains the leading scientific and literary journals, both American and foreign.

Reciprocal relations are established with the Provo Public Library. See "Intermountain Library School," page 81.

GENERAL REQUIREMENTS

ADMISSION

Unclassified Students.—Applicants may be admitted to the University as unclassified students provided they fulfill any of the following requirements:

(1) Present evidence that they have completed an approved high school course of study which is estimated at 15 units, or pass examination in a sufficient number of subjects to make 15 units.

(2) Present evidence that they have completed 13 units of high school work, but such students will be required to make up such deficiency of two units during the freshman year.

(3) Show that they are of mature age and able to do special work. This ability to do special work must be certified to by the heads of the departments concerned.

(4) Pass intelligence tests provided by the University.

Unclassified students may not become candidates for graduation. They may become classified on showing that they can meet the requirements of classified students.

Classified Students.—Students may become classified, provided they fulfill the following requirements:

Present evidence that they have completed an approved high school course of study which is estimated at 15 units; or pass an examination in a sufficient number of subjects to make 15 units.

The student should offer among these 15 units (a) 3 units of English, (b) a **principal group** of 3 or more units, (c) a **secondary group** of 2 or more units, (d) work in at least 4 groups. The principal and secondary groups may be selected from the following: mathematics; science; social science and history; industrial arts and commerce; modern languages; music, art, and public speaking.

Admission to Graduate Work.—Students may be ad-

mitted to graduate standing on the presentation of evidence that they have secured a Bachelor's degree from a standard institution.

Special Students.—Persons who are 18 years of age, or who have had two years of high school work and who show ability to pursue special work, may be admitted as special students to certain vocational courses.

ENTRANCE FEES

Regular Entrance Fee	\$25.00
Elementary Training School Fee	10.00
Student Activity Fee	10.00

The student activity fee includes the year's subscription to the school paper, a season ticket to the Lyceum course, and free admission to all student activities.

ELECTION OF STUDIES

The student, in electing his studies, should first select his major line of work, and then, with the advice and approval of the dean of the college in which he wishes to major, elect such other studies as are desirable. The major and minor, as well as the general, requirements for graduation should be kept in mind in electing studies. Physical Education 11 (or 21 for Normals) is required of Freshmen. Sixteen hours of credit a quarter (which in the case of Freshmen must include physical education) is the average amount of work to be elected by all students. Permission to register for additional work can only be secured through petition.

A student registering for graduate work will make his selections in consultation with a committee, consisting of the dean of the college in which he takes his major studies and his major and minor professors.

CLASSIFICATION OF STUDENTS

A regular student with fewer than forty-five hours

credit at the beginning of the school year will be classed that year as a Freshman.

A regular student with more than forty-four hours credit and fewer than ninety at the beginning of the school year, will be classed during that year as a Sophomore.

A regular student with more than eighty-nine hours credit and fewer than one hundred thirty-five, at the beginning of the school year, will be classed during that year as a Junior.

A regular student with more than one hundred thirty-four credits at the beginning of the school year, will be classed during that year as a Senior.

CREDITS

A student may have credit entered on the books of the University as follows: 1. For work done in the regular courses offered by the institution. 2. For work done in an accredited college when such credit is to be used for graduation from the University, the amount to be determined by the committee on credit. 3. By passing a satisfactory examination in any course offered by the University under the supervision of the head of the department concerned. 4. For work done under the supervision of the head of the department concerned. Credit in theology may be given for missionary work by complying with such requirements as may be prescribed.

Credit for excess high school work of college grade may be obtained only with the approval of the committee on credit. No such excess credit may be obtained until the student has been in residence at the University at least one year. Credits from other institutions should be filed with the Registrar upon entrance.

Special examinations for advance credit will be given only with the consent of the student's major professor, the dean of the college in which he is registered, and the committee on credit.

A condition in any course of study must be removed

within one year after such condition is incurred. Otherwise the course must be retaken in class if credit is desired.

A fee is charged for all special examinations.

GRADUATION

General Requirements.—Before a student can be admitted as a candidate for certificate, diploma, or degree his scholastic record must show that he has satisfied the entrance requirements, and that he can fulfill all the requirements for graduation on the completion of the courses for which he is registered.

At the time of graduation each candidate must be properly registered in the University, and must have completed at least forty-five hours of work in residence.

The number of hours of credit designated by "A" and "B" grades presented by each candidate shall at least equal the number of hours designated by a "D" grade.

Students who expect to be graduated at the end of the Spring Quarter should file application not later than the beginning of the Winter Quarter. All conditions must be removed not later than ten days before graduation.

Students who fulfill all requirements for graduation at the close of the Summer School and who have filed application for graduation not later than thirty days preceding the close of the Spring Quarter may have their graduation certified to by the proper authorities of the University, but they shall not be publicly graduated until the annual commencement of the following year.

The University reserves the right to change the requirements for graduation. A candidate for graduation will be asked to comply with all changes which pertain to the uncompleted portion of his course. The University Council is the body authorized to prescribe requirements for graduation and to pass on candidates.

Master Degrees.—A regular graduate student who has been admitted to candidacy may receive the Master's

Degree upon the fulfillment of the following conditions:

He must have been in attendance at the University one full year or its equivalent.

He must present in addition to the graduate credit requirements for the Bachelor's Degree, not fewer than forty-eight hours of work approved by the faculty of the college in which he takes his major. In addition he must prepare a thesis approved by his major professor. He must also pass an oral examination given by the faculty of the college in which he registers.

A typewritten, or printed copy of his thesis must be furnished the library of the University.

He may pursue his major work in any one of the following departments: Education, History, Political Science, Physics, Chemistry, Biology, Agronomy. Courses pursued on the under-graduate basis will not be credited toward Master Degrees. Seniors may register for courses at the beginning of the year for graduate credit, provided they secure the approval of the Dean of the college in which they are registered and the departments concerned.

GRADUATION FEES

Degrees	\$10.00
Diplomas	5.00
Certificates	5.00

College of Education

It is the purpose of the College of Education to offer such courses as will enable the student to qualify for certification under the Church and the State school systems.

It is presumed that when a student has completed two years of work in this college he is educationally qualified either for supervisory work, if this has been his objective during his training period, or for teaching in the various grades of the elementary schools; or, upon taking his degree he is prepared for the work of principalship of high schools, or as an instructor in the department of the high school which corresponds to the department in which he did his major work while in college.

Admission.—See admission requirements to the University, page 20.

Election of Studies.—See page 21.

Suggestive Courses of Study.—See pages 35 to 47.

GRADUATION

General Requirements.—See page 23.

BACHELOR OF ARTS DEGREE (A. B.)

(a) **University Requirements.**—Each candidate must meet the general requirements with respect to registration, residence, and scholarship and must also secure credit in approved courses amounting to one hundred and eighty-three hours of college work.

(b) **Prescribed Courses.**—Each candidate must furnish credit in English 11 and 12, Physical Education, and at least 24 hours in a foreign language. High School

foreign language credit may be accepted to make up the language requirement.

(c) **Group Requirements.**—Each candidate must furnish at least fifteen hours credit in each of the following groups:

1. Mathematics and Physical Science (Astronomy, Chemistry, Geology and Geography, Mathematics, Physics.)

2. Biological Science (Biology, Physiology, Hygiene, Health Work).

3. Social Science (History, Political Science, Sociology, Economics and Psychology).

4. Language (English, Latin, and Modern Languages).

Variations from this grouping will be permitted only in cases in which students have had high school courses which warrant it and then only upon the approval of the major professor and the heads of the departments concerned.

(d) **Major Subjects.**—Each student must select some subject as his major and must present for graduation at least thirty hours in the department in which this major work is done. Only one-half of the credit received in courses intended primarily for Freshmen may apply in making up this requirement. A student may major in any one of the following departments: Art, Biology, Chemistry, Education, Economics, Sociology, English, Modern Languages, Geology, History, Mathematics, Political Science, Physics, and Psychology.

(e) **Minor Subjects.**—Each student must present twenty hours in one or more allied subjects as collateral or minor work. This work should be designated by the Dean.

(f) **Elective Subjects.**—The remainder of the work may be selected from the departments listed above under Major Subjects. However to meet the desires of the students who wish some training in the somewhat technical and professional subjects and yet who aim to get the general culture offered by the Bachelor of Arts degree,

not more than a total of thirty-six hours in the following departments may be counted toward this degree: Accounting and Business Administration, Finance and Banking, Home Economics, Music, and Physical Education. All students should reserve their senior year for studies of an advanced character. No credit for elementary courses pursued by seniors nor more than sixty hours in any one subject will be accepted toward graduation. Woodwork, Ironwork, Auto Mechanics, Stenography, and Typewriting will not count toward the Bachelor of Arts degree.

BACHELOR OF SCIENCE DEGREE (B. S.)

(a) **University Requirements.**—(Same as for Bachelor of Arts degree.)

(b) **Prescribed Courses.**—English 11 and 12 and Physical Education 11.

(c) **Group Requirements.**—(Same as for Bachelor of Arts degree.)

(d) **Major Subjects.**—Each student must select some subject as his major and must present for graduation at least thirty hours in the department in which this major work is done. Only one-half of the credit received in courses intended primarily for Freshmen may apply in making up this requirement. A student may major in any one of the following departments: Accounting and Business Administration, Finance and Banking, Home Economics, Mechanic Arts, Music, Physical Education and any one of the departments listed under Major Subjects under the Bachelor of Arts degree.

(e) **Minor Subjects.**—(Same as for Bachelor of Arts degree.)

(f) **Elective Subjects.**—All students should reserve their senior year for studies of advanced character. No credit for elementary courses pursued by seniors nor more than sixty hours in any one subject will be accepted for graduation.

Teachers' High School Diploma.—Students who

have completed a minimum of four years of college work, including twenty-eight hours in the department of Education, four hours in Psychology, and twelve hours in subjects closely related to education, will be awarded a High School Teachers' Diploma, in connection with the Bachelor's or the Master's Degree.

The following courses in Education are prescribed to meet the professional requirements: Psychology, at least four hours, the remaining twenty-eight hours in the following subjects: Science of Education, Secondary Education, Secondary Training, and Methods, or their equivalents.

A recommendation from the major professor certifying scholastic fitness is a prerequisite to register for Secondary Training.

Students registering for Secondary Training should not register for more than a maximum of 15 quarter hours of work.

Physical Education Diploma.—Students who have completed Physical Education 11, 16, 17, 18, 36, 37, 38, 46, 56, 57, 58, will be awarded a special diploma in Physical Education in connection with the Bachelor's Degree.

Normal Diploma.—Students who have completed two years' college work including thirty hours in the department of Education, will be awarded a Normal Grammar Grade Diploma.

Arts Supervision Diploma.—Students who complete ninety hours of college work, including thirty hours in the department of Education and eighteen hours in the department of Art, may receive an Arts Supervision Diploma.

Normal Certificate.—Students who have completed one year's college work, including thirty hours in the department of Education, will be granted a Normal Certificate.

College of Arts and Sciences

It is the purpose of the College of Arts and Sciences to give such courses in the various fields of knowledge as will offer an opportunity for a broad and liberal education, and to qualify for specialized study in the professions or to do specific work in various fields of industrial life.

Admission.—See admission requirements to the University, page 20.

Election of Studies.—See page 21.

Suggestive Courses of Study.—See page 35 to 47.

Students registered in this college may elect other courses in place of the educational subjects outlined in the Suggestive Courses of Study, pages 35 to 47.

GRADUATION

General Requirements.—See page 23.

BACHELOR OF ARTS DEGREE (A. B.)

(a) **University Requirements.**—A candidate for this degree must present credit for one hundred and eighty-three hours of college work. Also the general requirements concerning registration, scholarship, and residence must be met.

(b) **Prescribed Courses.**—English 11 and 12, Physical Education 11, and credit for at least 24 hours work in a foreign language, must be furnished by the candidate for this degree. The language requirement may be met either by examination or by presenting high school foreign language credit.

(c) **Group Requirements.**—Each candidate must furnish at least fifteen hours credit in each of the following groups:

1. Mathematics and Physical Science (Astronomy,

Chemistry, Geology and Geography, Mathematics, Physics).

2. Biological Science (Biology, Physiology, Hygiene, Health Work, Sanitation.)

3. Social Science (History, Political Science, Sociology, Economics, Psychology).

4. Languages (English, Latin and Modern Languages).

Variations from this grouping will be permitted only in cases in which students have had high school courses which warrant it, and then only upon the approval of the major professor and the heads of the departments concerned.

(d) **Major Subjects.**—By the time a student has reached his junior year he should have selected his major subject of study and must present for graduation not fewer than thirty hours of work pursued in his major department. Only one-half of the credit received in courses intended primarily for Freshmen may apply in making up this requirement. A major may be selected in any one of the following departments: Art, Biology, Chemistry, Education, Economics, Sociology, English, Modern Languages, Geology, History, Mathematics, Political Science, Physics, Psychology, Public Speaking.

(e) **Minor Subjects.**—Each candidate must present twenty hours in one or more allied subjects as collateral or minor work. The dean should designate the courses required for this minor work.

(f) **Elective Subjects.**—The remainder of the one hundred eighty-three hours may be chosen from the departments listed above under the heading, Major Subjects. To meet the needs of students who desire a limited amount of somewhat professional or technical training in connection with the cultural subjects, not more than a total of thirty-six hours chosen from the following departments will be counted toward the degree of Bachelor of Arts; Accounting and Business Administration, Agriculture, Finance and Banking, Home Economics, Music, Physical Education. The senior year should be

devoted to courses of an advanced character. No elementary course pursued by a student in his senior year will be accepted for graduation. Not more than sixty hours credit in any one subject can be counted for this degree. Courses in the following lines cannot be accepted for the degree of Bachelor of Arts: Auto Mechanics, Ironwork, Woodwork, Stenography, Typewriting.

BACHELOR OF SCIENCE DEGREE (B. S.)

(a) **University Requirements.**—Same as for Bachelor of Arts degree.)

(b) **Prescribed Courses.**—English 11 and 12, and Physical Education 11.

(c) **Group Requirements.**—(Same as for Bachelor of Arts degree.)

(d) **Major Subjects.**—Each student must present for graduation at least thirty hours of credit which have been satisfactorily completed in his major department. A student should select his major department not later than the junior year and may major in any one of the following departments: Agriculture, Business Administration, Financing and Banking, Home Economics, Mechanic Arts, Music, Physical Education, or any one of the departments listed under Major Subjects for the Bachelor of Arts degree. In making up the major requirements, only one-half of the credit obtained in courses offered primarily for freshmen can be counted.

(e) **Minor Subjects.**—(Same as for Bachelor of Arts degree.)

(f) **Elective Subjects.**—Students should reserve their senior year for studies of an advanced character. No elementary course pursued by a student in his senior year will be accepted for graduation. Not more than sixty hours in any one subject will be counted toward this degree.

College of Commerce and Business Administration

The purpose of the College of Commerce and Business Administration is to provide training for leadership in finance and industry. Courses are so arranged that students will be given the training that will best fit them for analyzing business conditions and for managing industries as well as for efficiency in office administration.

Admission.—See admission requirements to the University, page 20.

Election of Studies.—See page 21.

Suggestive Courses of Study.—See pages 35 to 47

GRADUATION

General Requirements.—See page 23.

BACHELOR OF SCIENCE DEGREE (B. S.)

(a) **University Requirements.**—The degree of Bachelor of Science is given to graduates from this College. The candidate must meet the requirements with respect to registration, residence, and scholarship, and must also secure credit in approved courses amounting to 183 hours.

(b) **College Requirements.**—Candidates for the degree must obtain as a major at least thirty hours of work in some one department of the College of Commerce and Business Administration and as a minor 20 hours in other departments of this College. Majors and minors may be selected from the following departments: Finance and Banking, Accounting and Business Administration, Economics, Political Science. Courses in the department of Office Practice may be used for a minor.

In addition to the major and minor, the candidate must fulfill the following group requirements:

1. Mathematics and Physical Science (Astronomy, Chemistry, Geology and Geography, Mathematics, Physics) 18 hours
2. Biological Science (Biology, Physiology, Hygiene, Health Work, Sanitation) 12 hours
3. Social Science (History, Political Science, Sociology, Economics, Psychology) 20 hours
4. Language (English, Latin, and Modern Languages) 20 hours

The remaining 63 hours are elective on consultation with the Dean.

THE EXTENSION DIVISION

The usefulness of the University is not confined to the campus. Through its Extension Division the instruction of the Institution may be carried broadcast and its influence extended almost indefinitely. Persons who are ambitious to get an education, but who cannot go away to school, need not be denied the instruction which the University is prepared to give. Through correspondence studies they may educate themselves at home. The Extension Division wishes in particular to be of service to the various organizations of the Church.

THE RESEARCH DIVISION

There is maintained in connection with the University a Research division which provides facilities and equipment to assist the various departments of the University in conducting original investigations of problems which merit consideration. The need for research in all fields is so insistent that the Research Division should develop into one of the very important branches of the Institution.

STANDARD COURSES OF SELECTED WORK FROM REGULARLY CATALOGUED COURSES REQUIRED FOR ADMISSION TO SCHOOLS OF LAW, ENGINEERING AND MEDICINE

Students who plan to study law later in their college work are recommended to choose the major part of their work during the first and second years of their college work from the departments of History, Political Science, Business Administration, Economics, Finance and Banking, and Sociology. Courses should be freely elected from the following regularly catalogued courses:

Constitutional History of the United States.	Negotiable Instruments and Commercial Paper.
Government of the United States.	General Principles of Economics.
Comparative Constitutional Government.	Railway Transportation.
Government of American States.	Public Finance.
Municipal Government.	Money and Banking.
Government of England.	Corporate Industry.
Principles of Political Science.	Analysis of Corporation Reports.
Elements of Law and Jurisprudence.	Business Organization.
International Law.	Private Finance.
Constitutional Law.	Principles of Accounting.
Contracts.	Debating.
	Psychology.
	Public Speaking.
	Sociology.

Students who expect to prepare for the different fields of engineering should pursue, during the first two years of their college work, the fundamental courses which engineering schools prescribe. The following regularly catalogued courses meet these requirements:

Trigonometry, College Algebra,	College Physics.
Analytic Geometry.	English Composition.
Calculus (Differential and Integral).	Modern Language (two years).
General Chemistry.	Mechanical Drawing.
	Shop Practice.

Students who plan to enter medical schools either at the end of their sophomore or senior year, should elect the following courses in their first and second years of college work:

General Botany.	Organic Chemistry.
General Zoology.	Physics.
General Inorganic Chemistry.	

SUGGESTIVE COURSES

Students who desire to pursue courses leading to the Bachelor's degree but who have not yet determined upon the special work to be followed, may profitably elect during their first and second years from the following courses:

Freshman		Sophomore	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6 hrs.	Theology	6 hrs.
English 11 and 12.....	9 hrs.	Agronomy 11, 12, 13....	12 hrs.
Physical Education 11.	3 hrs.	Biology 61	4 hrs.
Chemistry 11, 12, 13....	15 hrs.	Chemistry 41, 42	8 hrs.
Biology 12, 51, 62.....	12 hrs.	English 41, 61	8 hrs.
History 11, 12, 13.....	12 hrs.	Economics 11, 12	8 hrs.
Sociology 11, 12	8 hrs.	French 17, 18, 19.....	12 hrs.
French 11, 12, 13.....	12 hrs.	Geology 21	4 hrs.
Geology 11	5 hrs.	History 33, 34, 35.....	12 hrs.
Mathematics 11, 12, 13.	15 hrs.	Physics 41, 42, 43	15 hrs.
Psychology 21	4 hrs.		
Physics 11, 12, 13	12 hrs.		

AGRICULTURE

Freshman		Sophomore	
Theology	6	Theology	6
English 11, 12.....	9	Agronomy 21, 22, 23....	12
Physical Education 11....	3	Chemistry 11, 12, 13....	12
Horticulture 14	4	Biology 41	4
Biology 12, (Botany)....	4	Animal Husbandry 11, 12,	
Farm Management 51....	4	13, 14	11
Farm Accounting 52.....	4	Elective	3
Elective	11		
	45		48
Junior		Senior	
Theology	6	Theology	6
Agronomy 11, 12, 13....	12	Agronomy 18, 19	7
Biology 16, 21, 41.....	12	Animal Husbandry 15	3
Animal Husbandry 16, 17,		Elective	32
18	11		
Chemistry 31	5		48
Elective	2		
	48		

Students desiring to emphasize Horticulture, should substitute Horticulture 11, 12, and 13 for Agronomy.

Students desiring to emphasize Animal Husbandry should substitute Animal Husbandry 11, 13, 14, and 15 for Agronomy, and register for Animal Husbandry 16 each quarter; also substitute Biology 51 for Biology 12.

ART

Freshman		Sophomore	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 11, 12	9	Biology 61	1
Physical Education 11... 3		Art 16, 17, 18.....	6
Biology 62	4	Art 31, 32	4
Biology 12	4	Art 41	2
Art 11, 12 and 13.....	6	Elective	26
Psychology 21	4		48
Art 21	2		
Art 25	2		
Elective	5		
	45		

Junior		Senior	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
Geology 11	4	Art 47, 48, 49	6
Art 44, 45, 46	6	Art 28	2
Elective	32	Elective	34
	48		48

BIOLOGY

Freshman		Sophomore	
Theology	6	Theology	6
English 11, 12	9	Biology 41, 62, 21.....	12
Physical Education 11... 3		Physics 41, 42, 43	15
Chemistry 11, 12, 13.....	15	Psychology 21	4
Biology 12, 51, 61.....	12	Geology 11	4
Elective	2	Elective	7
	47		48

Junior		Senior	
Theology	6	Theology	6
Horticulture	4	Biology 55, 65	8
Biology 15, 17, 36, 37, 38.15		Elective	34
Sociology	8		48
Elective	15		
	48		

COMMERCE AND BUSINESS ADMINISTRATION

Freshman

COURSES	HRS. CREDIT
Theology	6
Accounting and Business Administration 21	2
Business English 11, 12...	8
Economics 11, 12	8
Elective	24
	48

Sophomore

COURSES	HRS. CREDIT
Theology	6
Accounting and Business Administration 13	12
Business Law 11, 12, 13...	9
Elective	21
	48

Junior

COURSES	HRS. CREDIT
Theology	6
Accounting and Business Administration 16, 17 ..	18
Elective	24
	48

Senior

COURSES	HRS. CREDIT
Theology	6
Accounting and Business Adm. 23, 26, 27.....	13
Elective	29
	48

One half, at least, of the electives, should be from courses in the departments of Accounting and Business Administration, Finance and Banking, Office Practice, and Economics.

CHEMISTRY

Freshman

COURSES	HRS. CREDIT
Theology	6
Chemistry 11, 12, 13.....	12
English 11, 12	9
Mathematics 11, 12, 13....	15
Elective	3
	45

Sophomore

COURSES	HRS. CREDIT
Theology	6
Physics 41, 42, 43	15
Chemistry 31, 32, 33.....	12
Biology 62	4
Psychology 21	4
Elective	7
	48

Junior

COURSES	HRS. CREDIT
Theology	6
Chemistry 41, 42	8
Chemistry 43	4
Elective	30
	48

Senior

COURSES	HRS. CREDIT
Theology	6
Chemistry 37, 38, 51.....	7
Elective	35
	48

ECONOMICS

Freshman		Sophomore	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology 6.....	6	Theology	6
Biology 12, 51	8	Economics 11, 12, 13.....	12
English 11, 12	9	Psychology 21	4
Physical Education 11....	3	Commerce and Finance	
Political Science 11.....	4	11, 12	8
Elective	15	Commerce and Finance	
		13	4
	45	Biology 62	4
		Elective	10
			48

Junior		Senior	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
Economics 26, 36, 37.....	13	Economics 46, 47.....	6
Sociology 11, 12.....	8	Sociology 21	4
Modern Language	8	Elective	32
Elective	13		
			48
	48		

EDUCATION *

Freshman		Sophomore	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 11, 12	9	Psychology	8
Physical Education 11....	3	History 11, 12, 13.....	12
Biology 61, 62, 51.....	14	Sociology 11, 12	8
Psychology 21	4	Elective	14
Education 12	2		
Elective	10		48
	45		

*This course meets the requirements for the Professional High School Certificate. It aims to qualify students for the positions of superintendents, supervisors, principals, and teachers.

Junior		Senior	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
Education 46	4	Education 16	4
History 18, 32	8	Education 66	4
Education 17	4	Education 37 †.....	4
Elective	24	Education 56	4
	<u>46</u>	Elective	24
			<u>46</u>

ENGLISH

Freshman		Sophomore	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 11, 12.....	9	English 15, 16.....	8
Biology 12, 51.....	8	English 37	4
French		History 24, 25	8
German (Elect one) ..	12	French	
Spanish		German (Elect one) ..	12
History, 32	4	Spanish	
Elective	6	Psychology 21	4
	<u>45</u>	Elective	6
			<u>48</u>

Junior		Senior	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 45, 57, 58, 59.....	14	English 27	4
English 61	4	English 66	3
English 62	4	English 67	3
Art 23	1	English 68	3
Elective	19	History 17	4
	<u>48</u>	Elective	25
			<u>48</u>

†Students who have taken Education 31 should register for Education 37 for one quarter, if preparing for High School teaching or supervision. If preparing for grade supervision Education 31 will be sufficient.

GEOLOGY

Freshman

COURSES	HRS. CREDIT
Theology	6
Geology 11	4
Geology 21	4
English 11, 12	9
Mathematics 11 and 13...	10
Physical Education 11...	3
Biology 12	4
Biology 51	4
Elective	2
	46

Sophomore

COURSES	HRS. CREDIT
Theology	6
Geology 12	4
Geology 31	2
Geology 51	4
Chemistry 11, 12, 13....	12
French 11, 12, 13....	8
Psychology 11	3
Elective	6
	45

Junior

COURSES	HRS. CREDIT
Theology	6
Geology 55	3
Geology 45	3
French 14-19	12
Elective	24
	48

Senior

COURSES	HRS. CREDIT
Theology	6
Geology 57	3
Geology 19	3
Physics 41, 42, 43	15
Chemistry 22 and 35....	8
Elective	13
	48

HISTORY

Freshman

COURSES	HRS. CREDIT
Theology	6
English 11 and 12....	9
Physical Education 11...	3
History 11, 12, 13....	12
French 11, 12, 13....	12
Elective	3
	45

Sophomore

COURSES	HRS. CREDIT
Theology	6
History 33, 34, 35....	12
Biology 62	4
French 14-19	12
Political Science 11....	4
Sociology 11	4
Elective	4
	46

Junior

COURSES	HRS. CREDIT
Theology	6
History 24 and 25....	8
Political Science 14....	4
Economics 13	4
Elective	24
	46

Senior

COURSES	HRS. CREDIT
Theology	6
History 17, 18....	8
Political Science 37....	4
History 37, 38....	8
Elective	20
	46

SUGGESTIVE COURSES.

41

4

HOME ECONOMICS

Freshman		Sophomore	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 11	8	Art 27, 28.....	4
Physical Education 11....	3	Textiles and Clothing 42,	
Art 21	2	43	6
Chemistry 13	4	Textiles and Clothing 31,	
Textiles and Clothing 21,		32, 33	6
22, 23	6	Foods and Nutrition 21,	
Physics 31, 32, 33	9	22, 23	29
Elective	10	Biology 21	5
		Sociology	4
	48	Elective	8
			48
Junior		Senior	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
Foods and Nutrition 35....	4	Foods and Nutrition 55, 56	8
Textiles and Clothing 65,		Foods and Nutrition.....	3
66	4	Textiles and Clothing 56,	
Biology 55	4	57, 58	6
Chemistry 41, 66.....	7	Household Administration	
Household Administration		66	2
56, 57, 58.....	8	Elective	23
Household Administration			
45, 47	5		48
Economics	4		
Elective	6		
	48		

Note: Students may elect Foods and Nutrition 46, or Textiles and Clothing 56, 57, 58.

MATHEMATICS

Freshman		Sophomore	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 11, 12.....	9	Mathematics 31, 32, 33....	12
Mathematics 11, 12, 13....	15	Physics 41, 42, 43	15
Physical Education	3	Psychology 21	4
Chemistry 11, 12, 13.....	12	Elective	11
Elective	3		
			48
	48		

Junior

COURSES	HRS. CREDIT
Theology	6
Mathematics	4
Economics or Sociology or History	12
Biology 12, 13, 61.....	14
Elective	12
	48

Senior

COURSES	HRS. CREDIT
Theology	6
Mathematics	8
Physics	12
Elective	22
	48

MECHANICS**Freshman**

COURSES	HRS. CREDIT
Theology	6
Physical Education 11....	3
Drafting 11, 12, 13.....	6
Woodwork 11, 12, 13 (1) or Iron work 11, 12, 13 (2) .	9
Mathematics 11	5
Auto Mechanics 11, 12, 13 (2)	9
English 11 and 12	9
	47

Sophomore

COURSES	HRS. CREDIT
Theology	6
Drafting 71, 72, 73.....	6
Woodwork 21, 22, 23 (1) ..	9
Physics 41, 42, 43.....	13
Drafting 21, 22, 23	4
Art 21, 26.....	4
Elective for Woodwork...	6
	48

Junior

COURSES	HRS. CREDIT
Theology	6
Woodwork 36, 37, 38 (1) ..	9
Drafting 77, 78, 79 (1)....	6
Elective	27
	48

Senior

COURSES	HRS. CREDIT
Theology	6
Shop work (wood) 46, 47, 48, ...	9
Education 37 (1)	3
Elective	30
	48

(1) For students majoring in Wood-work.

(2) For students majoring in Auto-Mechanics.

SUGGESTIVE COURSES.

43

MODERN LANGUAGES

Freshman

Sophomore

COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 11, 12.....	8	English 35 or 41.....	4
Physical Education 11.....	3	Psychology 21	4
French, Spanish, or Ger-		French, Spanish or Ger-	
man 11, 12, 13.....	12	man 14, 15, 16, 17, 18, 19, 12	
Biology 61, 62	8	Political Science 14 and 15	
Elective	11	or Sociology 11, 12.....	8
		Elective	14
	48		
			48

Junior

Senior

COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 27 or 57.....	2	Education 16	4
French, Spanish or Ger-		French, Spanish or Ger-	
man Literature	12	man Literature	16
History 17, 18.....	8	Minor Language	12
Minor language	12	Elective	10
Elective	3		
			48
	48		

MUSIC

COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 11, 12	9	Biology 12	4
Physical Ed. 11	3	Psychology 11	4
Music 11, 14	3	Music 11, 14	3
Piano or Vocal	3	Music 71, 72, 73.....	6
Music 64, 65, 66	9	Music 24 or 25	3
Physics 21, 22, 23	6	Music 81 (Normal)	9
Public Speaking	3	Private Vocal or Inst.	3
Elective	6	Education	4
		Art	4
	48	Elective	2
			48

Junior		Senior	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
Modern Language	4	Modern Language	4
Chemistry	4	Biology	12
History	4	Economics	4
Mathematics	4	Psychology	4
Music 74	6	Music 91	6
Music 91	9	Music 14	3
Music 14, or 25, or 12, or 13	3	Music 24 or 25	3
Private Music	3	Music 12 or 13	3
Dramatic Art 22	4	Private Music	3
	47		48

NORMAL DIPLOMA

First Year		Second Year	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 11, 12.....	9	Education 21, 22 23, 24..	8
Biology 62	4	Education 31	10
Psychology 21	4	Normal M. T.	3
Education 11	4	Biology 61	4
Physical Education	3	Elective	17
Education 12	2		
Education 32	2		48
Elective	11		
	45		

Normal graduates who continue their college work to prepare for grade supervision are recommended to elect Education 35 and 36 in the third or fourth year.

PHYSICAL EDUCATION

Freshman		Sophomore	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 11, 12.....	9	Physical Education 16, 17, 18	3
Physical Education 11 or 21	3	Biology 55	4
Biology 61	4	Biology 62	4
Biology 51	4	Psychology 21	4
Chemistry 11, 12, 13.....	12	History 11, 12, 13.....	12
Elective	7	Sociology 11, 12.....	8
		Elective	7
	45		
			48

Junior		Senior	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
Physical Education 36, 37, 38	12	Physical Education 56, 57, 58	12
Physical Education 46.....	3	Elective	30
Tyewriting 21	3		48
Political Science 19.....	4		
English 81	5		
Electives	14		
	48		

PHYSICS

Freshman		Sophomore	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 11, 12.....	9	Physics 41, 42, 43	15
Mathematics 11, 12, 13 ...	15	Mathematics 31, 32, 33	12
Chemistry 11, 12, 13, or		Psychology 21	4
Physics 11, 12, 13	12	Sociology 11, 12.....	8
Physical Education	3	Elective	3
	45		48

Junior		Senior	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
Physics 65, 66, 67, 68, 75..	12	Physics	8
Biology 12, 13, 61.....	12	Mathematics 46, 47	6
Economics or History....	8	Elective	28
Elective	10		48
	48		

POLITICAL SCIENCE

Freshman		Sophomore	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 11, 12.....	9	Political Science 14, 15... 8	
Physical Education 11....	3	History 33, 34, 35.....	12
Political Science 11.....	4	Economics 36	4
Economics 11, 12.....	8	Biology 62	4
Elective	15	Elective	12
	45		46

BRIGHAM YOUNG UNIVERSITY.

Junior		Senior	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
Political Science 25, 35...	8	Political Science 37, 18,	
Political Science 36.....	4	19	12
History 24, 25.....	8	Const. Law of U. S.....	4
Elective	20	Elective	24
	46		46

PSYCHOLOGY

Freshman		Sophomore	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 11, 12.....	8	Psychology 21	4
Physical Education 11....	3	Biology 12, 51.....	8
Psychology 11	3	Chemistry 11, 15.....	12
Biology 62	4	Typewriting 21	3
Elective	21	Elective	15
	45		48

Junior		Senior	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
Psychology 45	4	Psychology 26, 27.....	8
Biology 61	4	Economics 13	4
Chemistry 12	4	English 68	3
English 66, 67.....	6	Elective	27
Economics 12	3		48
Elective	21		
	48		

PUBLIC SPEAKING

Freshman		Sophomore	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 11, 12.....	9	Public Speaking 11, 12, 13..	12
Physical Education 11....	3	Dramatic Art 24, 25, 26...	11
Biology 62	4	Physics 21, 22, 23.....	15
Psychology 21	4	Elective	4
Dramatic Art 21, 22, 23..	12		48
Elective	10		
	48		

Junior		Senior	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
French or Spanish 11, 12, 13	12	French or Spanish.....	12
Dramatic Art 27.....	6	Play Production	6
Art 12	2	Economics 11, 12 or	
Debating 31	1	Sociology 11, 12.....	8
Elective	21	Elective	16
	48		48

SOCIAL LEADERSHIP

Freshman		Sophomore	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 11, 12.....	9	Physical Education 16, 17, 18	3
Physical Education 11.....	3	Psychology 11	3
Education 11	4	Sociology 21	4
Sociology 11, 12.....	8	Health Education 61.....	4
Biology 62	4	Dramatic Art 21, 22, 23..	12
Elective	11	Elective	16
	45		48

Junior		Senior	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
Public Speaking 11, 12, 13.15		Art 24	2
Physical Education 46....	3	Dramatic Art 46.....	6
Education 16	4	Psychology 55	3
Biology 65	4	Physical Education 58....	5
Vocal Music 11.....	3	Social Leadership 11, 12, 13	6
Elective	13	Theory of Music 91.....	3
	48	Elective	17
			48

SPECIAL ONE YEAR COURSE IN HEALTH SUPERVISION

Theology	6
Biology 51	5
Chemistry 41, 42, 66.....	11
Bacteriology	5
Physiology	5
Heredity and Eugenics....	4
Sex Education	4
Health Supervision	5
Physical Education 16, 17, 18	3
	48

Courses of Instruction

AGRICULTURE

Professor Martin
Assistant Professor Cannon
Professor Henderson
Assistant Professor Clark

AGRONOMY

11. Soil Physics and Geology.—This course deals with the physical and chemical composition of soils, soil forming processes, classification of soil, soil colloids, chemical and physical properties of soil and the relation of these to soil structure, texture and organic matter. Three lectures and two laboratory periods. Autumn, T. Th. F. at 2:30; M. W. 2:30 to 4:30. Four hours credit. Laboratory fee, \$1.00. Professor Martin.

12. Soil Fertility.—This is a continuation of course 11. It deals especially with availability of soil nutrients, alkali soils, soil bacteriology, farm manures, green manures, etc. Winter. Lectures and laboratory practice T. Th. F. at 2:30, M. W. at 2:30 to 4:30. Laboratory fee \$1.00. Professor Martin.

13. Soil Management.—This is a continuation of courses 11 and 12. It deals especially with the treatment applied to soils to put them in the best condition for crop growth. Soil moisture, drainage, irrigation, dry farming, cultivation, fall and spring plowing, with their relation to an ideal seed bed, are topics discussed. Considerable emphasis is placed upon the methods and significance of soil surveying. Spring. Lectures and laboratory

practice. T. Th. F. at 2:30; M. W. 2:30 to 4:30. Four hours credit. Laboratory fee, \$1.00. Professor Martin.

18. Advanced Soils.—An advanced lecture course designed to acquaint the soil specialist with soil work, workers, and particularly with recent papers. Graduate credit will be allowed for this course. Four hours credit. Hours to be arranged. Professor Martin.

19. Advanced Laboratory in Soils.—Chemical and mechanical analysis or special laboratory work. Three hours or more, any quarter. Graduate credit may be allowed. Professor Martin.

21. Field Crops—Cereals. The physiology of the plants will receive some attention, together with a general discussion of the origin, botanical characteristics, selections, improvement and cultivation, etc. Special emphasis will be placed upon a review of the results obtained at the various experiment stations throughout the world, the aim being to gain, not only theoretical material, but much practical information obtained at great cost by the scientific investigators, whose whole time is being spent in bringing to common knowledge the information of great value to the farmers. Daily at 10:30. Four hours credit. Autumn. Laboratory fee, \$1.00. Professor Martin.

22. Field Crops—Forage Plants.—History, cultivation, experiment station results, etc. Winter. Lectures and laboratory practice. Daily at 10:30. Four hours credit. Laboratory fee, \$1.00. Professor Martin.

23. Field Crops—Roots and Tubers.—Sugar beets and potatoes receive special emphasis. Seed selection, testing, discussion of experiment station results, etc. Spring. Daily at 10:30. Four hours credit. Laboratory fee, \$1.00. Professor Martin.

Agricultural Botany.—(See Biology 41.)

Diseases of Cultivated Plants.—(See Biology 41.)

Principles of Breeding.—(See Biology 55.)

37. **Plant Breeding.**—This course is a study of the specific principles, practices and methods involved in the breeding and improvement of cultivated plants. Such topics as history of plant breeding, origin and selection of varieties, methods, purpose and results, value of mutants, breeding for disease resistance, etc., are included. Spring, 9:30; three hours credit. (Not given 1921-22)

46. **Agricultural Literature.**—Students who desire to become acquainted with the literature in the various fields of agriculture may register for this course and receive credit for the amount and quality of the work done. Special topics along the line of the student's interest are assigned, the literature on the subject is thoroughly reviewed and a thesis on the subject thus investigated, together with a bibliography, are submitted. Two hours credit, any term. Maximum credit, six hours.

47. **Seminar.**—Any group of six or more qualified students who desire to investigate and discuss agricultural subjects will be organized into a class with a professor from the department of agriculture in charge and credit given to the amount of one hour each term. Open to all students majoring in agriculture. Maximum four hours credit. Weekly, time to be arranged.

51. **Farm Management.**—This course is a study of the business principles in farming. It treats such topics as types of farming, diversified and specialized farming, intensive and extensive farming, maintenance of soil fertility; live stock problems; size of farm layout; market-

ing of crops. Autumn, Winter, Spring. Lectures M. W. Two hours credit each quarter. Professor Martin.

52. Farm Accounting.—The purpose of this course is to familiarize the student through a system of account keeping, with the methods which have been tried, approved and adopted by the most successful farmers. Four laboratory periods. Spring. Four hours credit. Assistant Professor Clark.

ANIMAL HUSBANDRY

11. Horse Husbandry.—This course is a consideration of the types and breeds, care, feed, and management of horses. Their origin, development, adaptability to western conditions, and common ailments will be carefully considered. Autumn. 1:30. Four hours credit. Assistant Professor Cannon.

12. Beef Cattle Husbandry.—This course is a consideration of the types and breeds, feed, care and management of beef cattle for western conditions. The student will be made familiar with the animals by frequent field trips. Winter, 1:30. Two hours credit. Assistant Professor Cannon.

13. Sheep and Swine Husbandry.—Types, breeds, feed, care, management and common ailments of sheep and swine will be carefully considered. Winter. 1:30. Two hours credit. Assistant Professor Cannon.

14. Dairy Husbandry.—This course deals with dairy cattle and milk production. It is a consideration of such topics as the dairy type, dairy breeds, standards and selection of the dairy cow, the herd bull, management of dairy cattle, testing milk, keeping records, Spring, 1:30. Four hours credit. Assistant Professor Cannon.

15. **Animal Breeding.**—The aim of this course is to study the specific principles, practices and methods involved in the breeding and development of domesticated animals. Such topics as Mendelism in animals, transmission, heredity, value of pedigree, system of breeding, records, etc., are considered. Pre-requisite, Biology 55. Winter. 10:30. Three hours credit. Assistant Professor Cannon.

16. **Advanced Stock Judging.**—This work takes up the judging of market classes as well as the different breeds of pure-bred animals, and includes the individual and group studying of animals of all classes. It takes up the work done in fairs. Trips are taken to our best stock farms where the students are given experience in judging pedigreed and grade animals. Autumn, Winter, and Spring. 1:30 to 3:30. One two-hour period. One hour credit each quarter. Assistant Professor Cannon.

17. **Animal Nutrition.**—This course deals with such topics as chemical elements involved in animal nutrition, compounds of animal nutrients; digestion, assimilation, function of nutrients. Autumn. 9:30. Four hours credit. Prerequisite, one year of Chemistry. Cannon.

18. **Feeding Farm Animals.**—This course is a continuation of course 17 but may be pursued independently. It deals with the principles and practices involved in the feeding of the various classes of animals for mere maintenance and also for work. Such topics as foods, their value and composition, compounding rations for highest and most economic production of milk, meat, and eggs—also work. Winter. 9:30. Four hours credit. Assistant Professor Cannon.

HORTICULTURE

11. **Fruit Marketing.**—The purpose of this course is to acquaint the student with the outlook and financial returns that may be expected in horticultural pursuits.

The subject matter will include the history of fruit growing and the present outlook; a study of the leading varieties of pomaceous fruits; the picking, packing, marketing and storage of fruits. Autumn. Lectures and laboratory T. and Th. 8:30; two hours credit. (Not given 1921-22)

12. Orchard Management.—This course deals with the orchard site, selection of varieties, planning and planting, cultivation, pruning, spraying, and the approved operations of successful orchard management as practiced under arid conditions. Winter. Lectures and laboratory T. and Th. 8:30; two hours credit. (Not given 1921-22)

13. Canning and Orchard By-Products.—This course deals with the general economic and cultural problems involved in raising fruit and crops for canning and evaporating purposes. It will include a study of the crops best adapted to canning and the best means of handling orchard by-products in cider and vinegar manufacture. Spring. Lectures and laboratory. T. and Th. 8:30. Two hours credit. (Not given 1921-22)

14. Agricultural Entomology.—This course deals primarily with insect pests most common in this locality, and will include a careful study of the nature of the damage done, economic importance, the life history of the insects involved, the history of their introduction and means of distribution; their natural enemies and parasites and methods of control. The regulations governing state inspection, fumigation, and spraying, spray machinery, and the practical operations involved in orchard and field work will be considered. Three recitations and two two-hour laboratory periods. Autumn. Four hours credit. (Not given 1921-22)

AGRICULTURAL ENGINEERING

Professor Partridge

These courses are designed to prepare students to solve the elementary mechanical and engineering problems which arise in rural life.

11. Farm Mechanics.—Farm machinery, farm motors, and farm buildings, including a brief course in elementary drafting. Practice is given in drawing simple plans, estimating cost and making lumber and material bills for all farm buildings. Autumn. 8:30. Five hours credit.

12. Roads.—Rural roads, hard surfaced roads, road material, construction and maintenance; grade, drainage, etc. Winter. 8:30. Five hours credit.

31. Irrigation and Drainage.—The principles on which irrigation and drainage are based U. S. method of land subdivision, water distribution, leveling practice, drainage systems, etc. Laboratory periods arranged with the professor. Spring, 8:30. Five hours credit.

ART

Professor Eastmond
Associate Professor Larson
Miss Young

11. Free Hand Representation.—Clay modeling. Advanced drawing in various mediums. Emphasis upon objective tone study in charcoal. Pictorial composition. Emphasis upon point medium. Crayon and pencil. Laboratory fee, \$1.00 each quarter. Autumn. M. W. F. 2:30. Recitation and laboratory work. Two hours credit. Professor Eastmond.

12. Pictorial Landscape.—Correlated perspective

reviewed. Water color in connection with tone. Theory of color. Objective and subjective composition. Decorative treatment. Illustration mediums. Recitations and laboratory work. Two hours credit. Laboratory fee, \$1.00. Winter. M. W. F. 2:30. Professor Eastmond.

13. Illustration.—Study of the reproduction of illustrations, printing plates and mediums. Composition; pen and ink methods; drawing; color study; practical illustration work; etching; cartooning. Required, Art 11 and 12. Recitations and laboratory work. Spring. M. W. F. 4:30. Two hours credit. Professor Eastmond.

16. Studio Work.—Outline of work and other information pertaining to the course will be given by the professor of the department. Special attention is given to individual needs. Credit is given on the basis of three hours' work for one hours' credit. Laboratory fee, \$1.00 for each hours credit Autumn. Time to be arranged. Two hours credit. Professor Eastmond and Miss Young.

17. Studio Work.—(Continued). Laboratory fee \$1.00 for each hours credit. Winter. Time to be arranged. Two hours credit. Professor Eastmond and Miss Young.

18. Studio Work.—(Continued.) Laboratory fee \$1.00 for each hours credit. Spring. Time to be arranged. Two hours credit. Professor Eastmond and Miss Young.

21. Design Study and Application.—Review of rhythm, balance, harmony, and other foundational principles. Three recitations and one studio hour. Prerequisite, Art 11. Laboratory fee, \$1.00. Autumn. Two hours credit. Professor Eastmond, Associate Professor Larson, and Miss Young.

22. Pageant Production.—Development of nature plays, symbolic representations, tableaux, and civic

pageants. Pageant formation, costuming, and lighting. Winter. Time to be arranged. Two hours credit. Professor Eastmond.

23. **Pageant Production.**—(Continued.) Pageant property making. Spring. Time to be arranged. Two hours credit. Professor Eastmond.

25. **Illustrated Lecture Course.**—Historic development of formative influences. Religion and Art. Primitive Art. Pre-Greek, Egyptian, Chaldean-Assyrian, Phoenician, Greek, Colonial, Roman, Pompeian, Byzantine, Saracenic, Romanesque, Gothic, and Renaissance. Autumn. Time to be arranged. Two hours credit.

27. **Home Planning and Applied Art.**—Historic development of the house. Location and environment. Plan drawing. Effect of form, line, and color in decoration; correlated decorations. Required, Art 21 or equivalent. Two recitations, and one studio hour. Laboratory fee, \$1.00. Spring. 10:30. Two hours credit. Professor Eastmond and Associate Professor Larson. (Not given 1921-22.)

28. **Advanced Design and Color Theory.**—A study of lines, proportions, and color applied to dress and needle craft. Original designs for decorative needle work. Prerequisite, Art 21. Winter. Time to be arranged. Two hours credit. Professor Elliott and Miss Young.

29. **Mechanic Arts Design.**—The influence of historic styles. Study of proportion. Consistency of form and color; ornament and its relation to the project. Development of the sense of choice. Project designing. Correlated with drafting. Prerequisite, Art 21. Winter. Time to be arranged. Two hours credit. Professor Larson. (Not given 1921-1922.)

31. **Graphic Representation.**—This course is espe-

cially designed for teachers. Various phases of mass-drawing dealing with clay, paper, crayons, charcoal, water color, and pencil. Motif drawing, composition in dark and light and in color. Distance representation in tone, color, and form. Illustrative drawing involving the study of perspective. Laboratory fee, \$1.00. Autumn. M. W. F. 2:30. Two hours credit. Professor Eastmond.

32. Decorative Design.—This course is especially designed for teachers. Motif drawing applied. Decorative landscape, lettering, adjustment of decorative form to geometric space, and geometric design. Design adapted to practical school-room work; blackboard drawing and decoration. Work correlated with natural centers of interest. Stenciling, stick printing, and block printing. Laboratory fee, \$1.00. Winter. Time to be arranged. Two hours credit. Professor Eastmond.

41. Vocational Crafts.—Outline of the work and other instructions as to course will be given by the director of the department. Poster and show card writing; wood carving; scenery painting, house painting, wood finishing, or china painting may be taken. Credit is given on the basis of three hours recitations for one hours credit. Prerequisite, Art 21. Laboratory fee, \$1.00. Winter. Time to be arranged. Two hours credit. Professor Eastmond.

42. Vocational Crafts.—(Continued.) Laboratory fee, \$1.00. Spring. Time to be arranged. Two hours credit. Professor Eastmond.

44. Water Color Painting.—Still life representation. Pictorial composition and color study. Recitations and laboratory work. Laboratory fee, \$1.00. Autumn. T. and Th. 2:30. Two hours credit. Miss Young.

45. Water Color Painting.—(Continued.) Recita-

tions and laboratory work. Laboratory fee, \$1.00. Winter. T. and Th. 2:30. Two hours credit. Miss Young.

46. **Water Color Painting.**—(Continued.) Recitations and laboratory work. Laboratory fee, \$1.00. Spring. T. and Th. 2:30. Two hours credit. Miss Young.

47. **Oil Painting.**—Objective landscape. Composition and color development; still life representation. Recitations and laboratory work Required, Art 11, 12, and 18. Laboratory fee, \$1.00. Autumn. M. W. F. 4:30. Two hours credit. Professor Eastmond.

48. **Oil Painting.**—(Continued.) Recitations and laboratory work. Laboratory fee, \$1.00. Winter. M. W. F. 4:30. Two hours credit. Professor Eastmond.

49. **Oil Painting.**—(Continued.) Recitations and laboratory work. Laboratory fee, \$1.00. Spring. M. W. F. Two hours credit.

BIOLOGY

Professor Henderson

Assistant Professor Cottam

Doctor Carroll

12. **General Botany.**—The general structure of plants, together with the fundamental principles of growth, reproduction and physiological activity are considered. In the laboratory, leaves, stems, roots, flowers and fruits are studied with reference to form, structure and function, and this work is supplemented by simple greenhouse experiments on problems of food-production, storage, sap-flow and respiration. Autumn. M. W. F. at 9:30, T. Th. at 2:30. Five hours credit. Laboratory fee, \$3.00. Professor Henderson and Assistant Professor Cottam.

15. **Field Biology.**—The purpose of this course is

to give the student a close acquaintance with our local plant and animal forms and their adaptability to biological study in the high school. Collection, preparation, and preservation of materials are emphasized. The subject matter will include: the characteristics and common names of fungi, algae, liverworts, mosses, ferns, and flowering plants with special emphasis on the spring flowers and weeds; insects; birds; and other small animals such as frogs, toads, snakes, lizards and rodents. Spring, two two-hour field and laboratory periods a week. Two hours credit. Time to be arranged. Laboratory fee, \$1.00. Assistant Professor Cottam.

16. Plant Physiology.—A lecture and laboratory course in the physiology of plants, covering such topics as absorption, transpiration, synthesis of carbohydrates and proteins, digestion, translocation, respiration, growth and reaction of plants to stimuli. Prerequisites, Biology 12 and Chemistry 11, 12 and 13. Spring. T. Th. 10:30, M. W. F. 1:30-4:30. Five hours credit. Laboratory fee, \$3.00. Professor Henderson and Assistant Professor Cottam.

17. Plant Histology.—This is primarily a laboratory course in the technique of preparing, staining, and mounting of sections for microscopical examination. Some attention is given to a study of tissues and tissue systems. Prerequisite, Biology 12. Spring. M. W. F. 1:30-4:30. Three hours credit. Laboratory fee, \$3.50. Professor Henderson and Assistant Professor Cottam.

21. Bacteriology.—This course will consist of three lectures and two laboratory periods a week. The lectures will be less technical than the laboratory work and may be taken without the laboratory work if desired. In the lectures the following aspects of the subject will be taken up: the nature and environmental requirements of micro-organisms; their relationship to the processes of fermentation and putrefaction, especially as applied to the preparation and preservation of food; the special

characteristics of the common disease producing bacteria; methods of infection; the use of antiseptics and disinfectants; theories of natural and acquired immunity.

The laboratory group will be limited to twelve and is especially recommended to students of agriculture and domestic science and those who are interested in health work in schools. Winter. M. W. F. 8:30. Lab. T. Th. 1:30-4:30. Five hours credit. (If taken without laboratory work, three hours credit.) Laboratory fee, \$3.00. Doctor Carroll and Assistant Professor Cottam.

36. Algae and Fungi.—A study of the morphology, life histories, classification and relationships of the main groups of algae and fungi. Special emphasis is given to local forms. Autumn, two lectures and two three-hour laboratory periods a week. Four hours credit. Time to be arranged. Laboratory fee, \$3.00. Professor Henderson and Assistant Professor Cottam.

37. Liverworts, Mosses and Ferns.—A study of the morphology, life histories and relationship of the liverworts, mosses and ferns. Materials for laboratory study are selected from local forms as far as practicable. Prerequisite, Biology 36. Winter, one lecture and two three-hour laboratory periods a week. Three hours credit. Time to be arranged. Laboratory fee, \$2.00. Professor Henderson and Assistant Professor Cottam.

38. Seed Plants.—A study of the morphology, life histories, classification and relationship of the higher plants, special emphasis being given to local forms. Field work is an important feature. Prerequisites, Biology 36 and 37. Spring, one lecture and two three-hour laboratory periods a week. Three hours credit. Time to be arranged. Laboratory fee, \$2.00. Professor Henderson and Assistant Professor Cottam.

41. Diseases of Cultivated Plants.—The important groups of disease producing organisms are con-

sidered. Life histories and habits of these parasites are emphasized as a basis for understanding methods of control. Seed treatments are demonstrated and their relative efficiency discussed. Characteristic symptoms of our common plant diseases are studied in laboratory and field, and a representative collection is required of each student. Open to students who have had a high school course in botany or its equivalent. Recommended for all students of agriculture. Autumn, T. Th. 8:30; M. F. 9:30-11:30. Four hours credit. Laboratory fee, \$2.50. Professor Henderson and Assistant Professor Cottam.

46. Methods in Plant Pathology.—This course is devoted primarily to the technique of handling plant parasites. Such topics as preparation of culture media, isolation and culture of disease-producing organisms and inoculation of parasites into host plants are considered. Prerequisites, Biology 12, 21, 41 and Chemistry 11, 12, and 13. Winter; two lectures and two three-hour laboratory periods a week. Four hours credit. Time to be arranged. Laboratory fee, \$3.50. Professor Henderson and Assistant Professor Cottam.

51. General Zoology.—This is an introductory course in which laboratory study of representative forms serves as a basis for discussion of structure, physiological activity, life history and habits of animals. Economic relations are emphasized and when practicable, economic forms are selected for laboratory demonstrations. Winter M. W. F. 9:30; T. Th. 1:30-4:30. Five hours credit. Laboratory fee, \$3.00. Professor Henderson and Assistant Professor Cottam.

55. Heredity and Eugenics.—The early part of the course is devoted to the cell, its development and inheritance, the distinctions between soma- and germ-plasm and maturation division as a basis for understanding the principles of variation, generation and heredity. Facts and theories of heredity are discussed and re-

cent experimental data are examined. Emphasis is given to consideration of factors involved in the development and well-being of the human family. Prerequisite, Biology 12 or 51. Spring. Daily at 9:30. Four hours credit. Professor Henderson.

61. Hygiene and Sanitation.—(Health Work.) Designed to meet state requirements in health education. The early part of the course is devoted to fundamental physiological processes such as digestion, circulation, respiration and excretion, and upon these as a foundation are based studies of personal hygiene, hygiene of the school child, sanitation of school buildings, and surroundings, public and home sanitation, and recognition of defects in children. As far as practicable all phases of the work are intensified and made practicable by laboratory experiment and demonstration. Winter and Spring. M. W. F. 10:30; T. Th. 1:30-3:30. Four hours credit. Doctor Carroll.

65. Human Physiology.—This course is designed to give the student a working knowledge of the life processes as they function in man. The properties of living matter will be studied as a basis for understanding the mechanism of the specialized systems such as the muscular, secretory, excretory, circulatory, respiratory, nervous, and reproductive systems which will be taken up in order. Spring M. W. F. 8:30. Lab. T. Th. 1:30-3:30. Four hours credit. Doctor Carroll and Assistant Professor Cottam.

66. Sex Education.—This course deals primarily with materials and methods involved in the presentation of problems of sex in the school, but is equally valuable to those concerned with these problems in the home. Emphasis is given to the collection and adaptation of local materials for laboratory study. Spring. Two recitations and one three-hour laboratory period a week. Three hours credit. Laboratory fee, \$2.00. Professor Henderson and Assistant Professor Cottam.

67. **Health Supervision.**—This course is designed for those who expect to specialize in health education. It will aim to give as much practical information as possible in such matters as causes and control of epidemics, quarantine laws, methods of infection, technique of taking cultures, methods of physical examination of students, etc. Prerequisite, Bacteriology. Spring. Lectures M. W. F.; laboratory T. Th. Five hours credit. Doctor Carroll and assistant.

99. **Research.**—Open to properly qualified graduate students. Subjects may be selected in the field of botany or plant pathology. Registration only after consultation. Professor Henderson.

CHEMISTRY

Professor Maw
Mr. Christensen
Mr. Bond

11. **General Inorganic Chemistry.**—This is an introductory course. The principles and theories of chemistry are studied in detail in connection with the nonmetals. Intended for students who have not had high school chemistry. It should be taken as a foundation for other sciences and especially domestic science. Autumn. 9:30. Four hours credit. Three recitations and two two-hour laboratory periods. Professor Maw and assistant.

12. **General Inorganic Chemistry**—Continuation of 11. Winter. 9:30. Four hours credit. Professor Maw and assistant.

13. **General Inorganic Chemistry.**—Continuation of 12. It deals with the metals and elementary qualitative analysis. Spring. 9:30. Four hours credit. Professor Maw and assistant.

14. **General Inorganic Chemistry**—Open only to

those students who have had high school chemistry. Autumn. 10:30. Four hours credit. Professor Maw and assistant.

15. General Inorganic Chemistry and Elementary Qualitative Analysis. Continuation of 14. Winter. 10:30. Four hours credit. Professor Maw and assistant.

16. Continuation of 15. Spring. 10:30. Four hours credit. Professor Maw and assistant.

21. Advanced Qualitative Analysis.—Spring, 8:30. Four hours credit. Professor Maw.

31. Elementary Quantitative Analysis.—Training in gravimetric and volumetric methods. Autumn, Winter, or Spring. 1:30. Four hours credit. Professor Maw.

32. Elementary Quantitative Analysis.—Continuation of 31. Autumn, Winter, or Spring. 1:30. Four hours credit. Professor Maw.

33. Elementary Quantitative Analysis.—Continuation of 32. Autumn, Winter, or Spring. 1:30. Four hours credit. Professor Maw.

36. Mineral Analysis.—Systematic analysis of representative minerals. Autumn, Winter, or Spring. Professor Maw. From two to ten hours credit. The hours credit is determined by the amount of work done.

37. Fire Assaying.—Crucible and scorification methods for gold and silver ores. Time to be arranged. Spring. Two hours credit. Professor Maw.

38. Wet Assaying.—Autumn, Winter, or Spring. Three hours credit. Professor Maw.

39. Special Methods.—(a) Water analysis: two

hours credit. (b) Food analysis; two hours. (c) Electrolytical analysis; two hours credit. Time to be arranged. Professor Maw.

41. Elementary Organic Chemistry.—The course will take up thoroughly the simple organic compounds, investigating the chemical behavior, the characteristic reactions, and the relationships of the different classes of organic compounds. The laboratory work consists in the preparation of typical carbon compounds. Autumn. 1:30. Five hours credit. Professor Maw.

42. Elementary Organic Chemistry.—Continuation of 41. Winter, 1:30. Three hours credit. Professor Maw.

47. Advanced Organic Chemistry.—Spring. 1:30. Three hours credit. (Not given 1921-22.)

61. Agricultural Chemistry.—The aim of this course is to give thorough training in the analysis of soils and agricultural products. Open only to students who have completed Chemistry 31. Four hours credit. (Not given 1921-22.)

66. Physiological Chemistry.—This course is especially designed for students doing advanced work in domestic science. The chemistry of nutrition, digestion, absorption, assimilation, and excretion will be considered in detail. The general elementary chemistry is a prerequisite. One recitation and two two-hour laboratory periods. Three hours credit. (Not given in 1921-22.)

78. Independent work in mineral analysis; credit according to the amount of work done. Four to twelve hours credit. Time to be arranged.

Laboratory fee \$2.50 a quarter for all courses except 37, in which the student will pay for actual material used. A breakage deposit of \$3.00 must be made by

each student before beginning the laboratory work. This amount less the breakage is returned at the end of the course.

COMMERCE AND BUSINESS ADMINISTRATION

ACCOUNTING AND BUSINESS ADMINISTRATION

Professor Hoyt
Assistant Professor Clark
Mr. —————

11. **Preparatory Accounting.**—The object of this course is two-fold: First, sufficiently to equip college students in the theory and practice of modern bookkeeping that they may qualify as bookkeepers at the end of the course. Second, to prepare students for entrance to higher work in accounting. The work is largely laboratory in nature. Up-to-date business sets dealing with single proprietorships, and corporations are used. Students having full high school credit in bookkeeping cannot receive credit for this course. Autumn, Winter, Spring. Daily, 2:30 to 4:30. Three hours credit each quarter. Assistant Profesesor Clark.

13. **Intermediate Accounting.**—Primarily a study of corporation accounting with special emphasis placed on problems of depreciation, bases of revelation, inventorying, etc. Open to students who have finished Accounting 11 or equivalent. Autumn, Winter, Spring. Daily, 9:30. Four hours credit each quarter. Assistant Professor Clark.

16. **Cost Accounting and Systematizing.**—This course is designed to prepare students for entering the field of Industrial or Efficiency Engineering as installers of cost accounting and bookkeeping systems or as executives for industrial concerns. The course in Business Administration and Development should be taken along

with this course. Students will be required to do a large amount of individual field work and actually design cost accounting and bookkeeping systems for western manufacturers and business concerns. Intermediate Accounting a prerequisite. Autumn, Winter, Spring. 8:30. Four hours each quarter. Professor Hoyt.

17. Auditing and Federal Tax Procedure.—This course has for its object the training of students who desire to become either Public Accountants or Chief Accountants for large corporations. Emphasis will be laid on American Institute of Accountants' Examination Questions. Ample opportunity will be afforded for the student to get practical experience by auditing the books and federal tax returns of various business concerns of Utah. Intermediate Accounting a prerequisite. 10:30. Autumn, Winter, Spring. Three hours each quarter. Professor Hoyt.

21. Personal Efficiency. The purpose of this course is to train the student at the beginning of his college course to apply the fundamental principles of efficiency to his own life's work. The student will be given practice in scheduling, planning and standardizing his work and time. Autumn. Two hours credit. 10:30. Professor Hoyt and others.

22. Marketing and Advertising.—This course covers a study of various methods of marketing agricultural products and raw and manufactured products of all kinds. The object is to familiarize the student in general with the relative points of advantage of various marketing systems for each kind of product. It is designed to enable a student who may wish to enter the marketing business on his own resources to make an intelligent selection of the kind of business to enter, or will aid the student in securing a responsible position with merchandizing institutions. Students will be required to visit representative merchandizing concerns and cover their visits

by reports pointing out possible improvements and the salient features contributing to the success of the establishment visited. Intermediate Accounting a prerequisite. Autumn, Winter, Spring. 9:30. Three hours credit each quarter. Professor Hoyt.

23. Business Statistics.—This course deals with the fundamental principles of statistics, and statistical indices and units. The students will be aided in making an investigation with the view of determining how far statistics may be used for foretelling general business conditions as well as conditions which affect agriculture and other important industries. The object is to acquaint the students with the various statistics which are indices to future business conditions. Spring, 9:30. Two hours credit. Professor Hoyt.

26. Buiness Policy.—This course is designed to familiarize the student with practical every-day problems confronting business men. Business men will be procured to conduct the lectures and assign some of their own problems for the class to work out. The object is to prepare students to become assistants to managers. Winter. 8:30. Two hours credit. Professor Hoyt and outside lecturers.

27. Business Administration and Developmnt.—This course covers the field of so-called Scientific Management as applied by Taylor, Gant, Emerson, and others. Stress will be laid upon those phases of scientific management which are applicable to local industries. Attention will also be called to the possibilities for industrial development in Utah. The object is to create an interest in the development of industries for which local conditions are favorable, as well as to equip the student with a working familiarity with the fundamental principles of scientific management in order to enable him to enter the field of Industrial and Production Engineering. Considerable field work will be required as well as prac-

tical applications of certain phases of the work. Cost Accounting and Systematizing should be taken along with this course. Autumn, Winter, Spring. 8:30. Three hours credit each quarter. Professor Hoyt.

FINANCE AND BANKING

Professor Swenson

Assistant Professor Clark

Assistant Professor Johnson

11. Business Finance.—Financial and legal status of business corporations. A brief study of the agreements, pools, legal trusts, corporations and holding companies. Practical questions such as capital and income; sources and uses of funds; forms of business associations; promotions; consolidations; capitalizations; investment of capital funds; disposition of gross earnings; betterment expenses; creation and distribution of surplus; insolvency and receivership; readjustment and reorganization. Economics 11 and 12 prerequisite. Autumn, Winter. 10:30. Four hours credit each quarter. Assistant Professor Clark.

13. Money and Banking.—A study of the principles of money and banking and the exemplification of these principles in the monetary and banking history of the United States. A study of the present-day currency and banking problems in the United States. Spring. 10:30. Four hours credit. Assistant Professor Clark.

14. Economic and Financial History of the United States.—The economic development of the United States through the colonial era, and the period of the industrial revolution and westward movement, with emphasis upon economic integration and industrial organization. Autumn. 9:30. Four hours credit. Professor Swenson.

17. Public Finance.—The science of public finance;

the theory of public expenditure; public income and public debts; the preparation of the budget and financial administration. Winter. Four hours credit. Professor Swenson. (Not given 1921-22.)

18. **Investments.**—A study of the essential elements of an ideal investment. Considerable time will be devoted to a study of local investments giving the advantage of each form. Four hours credit. Assistant Professor Clark. (Not given 1921-22.)

21. **Contracts.**—A study of the creation and performance of contracts; who contract; who are not bound under contract; consideration; illegal contracts; fraud; the law of evidence as applied to written and verbal contracts; the application of the Statute of Frauds; specific performance; damages for breach of contracts. Each principle will be illustrated by several cases.

Property.—Kinds of property; how title to personal property is acquired; estate in real property; rights of one person in real property of another; different ways of acquiring title. Bay's Cases will be used. Autumn. 1:30. Four hours credit. Assistant Professor Johnson.

22. **Negotiable Paper.**—A study of negotiable instruments; forms of bills, notes, drafts and checks; acceptance of draft and certification of checks; banks' liability on checks; special requirements as to form; defenses to suits on usury, forgery, theft, raising, illegal debts, alterations, infancy, insanity, prior payment; transfer and negotiation; contract of parties; indorsers and when they may be discharged; holders for value and in due course; method and time of presentment in case of dishonor.

Sales.—Sales distinguished from barter's gifts and bailments. Formalities essential to making of a sale. The application of the Statute of Frauds. Warranties; transfer of title; obligations of contracting parties; offer and acceptance; breach and remedies; Uniform Sales Acts. Bay's Cases will be used. Winter. 1:30. Four hours credit. Assistant Professor Johnson.

23. Agency and Partnership.—Agency.—Relationship of principal and agent; responsibilities of each; classes of agents and termination of authority. Partnership.—Its firm name, capital and property, rights and obligations of each partner; third persons and the partnership; acts which dissolve the partnership.

Corporations.—Corporation defined; its creation; rights and duties of stockholders, directors and officers; rights and limitations of creditors. Bay's Cases will be used. Spring. 1:30. Four hours credit. Assistant Professor Johnson.

OFFICE PRACTICE

Professor Holt

Mrs. Roberts

Miss Wunderly

Mr. Hayes

Mr. Sauls

Miss Newell

11. Shorthand.—Principles of shorthand according to the standard Pitman system as set forth in the Phonographic Amanuensis and Reporter's Companion. Autumn, Winter, Spring. Daily, 9:30-10:30. Five hours credit each quarter. Professor Holt and Mrs. Roberts.

21. Typewriting.—Touch Typewriting, according to standard methods. Six hours a week throughout the year. Two hours credit each quarter. Students may register for two hours daily and three hours credit each quarter. See instructors for time. Mrs. Roberts, Miss Wunderly, Miss Newell.

31. Business English. The substance and style of business English; clearness in sentences; correctness of diction; force in sentence structure; force in diction; the paragraph. Business forms and usages; the standard of business usage; the mechanical form of the letter; official and

social forms; remittances; telegrams and cablegrams; the essential qualities of business letters; claims and adjustments; the various kinds of letters; filing systems. Winter, 8:30. Four hours credit. Professor Holt.

32. **Business English.**—Continuation of 31. Spring, 8:30. Four hours credit. Professor Holt.

17. **Office Management.** The organization and administration of clerical forces. A study of the practice of well organized offices. Some of the subjects discussed are as follows: Office organization, ventilation, heat, light, organization of departments and various scheduling and follow-up systems; detailed organization within the departments; methods of selecting and preparing charts, devices and reports; mechanical equipment; filing and indexing methods. Spring. 9:30. Four hours credit.

ECONOMICS

Professor Swenson

11. **Elementary Economics.**—This course deals with the general principles underlying the industrial life. It reviews the production and exchange of wealth both from the historical and analytical points of view. Autumn. 8:30. Four hours credit. Professor Swenson.

12. **Elementary Economics Continued**—This course deals with the general principles and methods of the distribution of wealth and some of the resulting problems issuing therefrom as they affect the industrial life. Winter. 8:30. Four hours credit. Professor Swenson.

13. **Practical Problems**—The course will consider some of the important and pressing economic problems of present day industry and an examination and criticism of the economic theory underlying them. Pre-requisite, Eco-

nomics 11 and 12. Spring. 8:30. Four hours credit. Professor Swenson.

28. Railroad Problems.—The development of the American railroad from the standpoints of history, charter, privileges, capital, service, passenger, freight, express, and mail; relation to the public, and relation to the state. Winter. 1:30. Four hours credit. Professor Swenson.

46. Corporate Industry.—A study of the history, organization, and economic functions of corporations with emphasis upon their relations to our present social order and the problems they present. Autumn. Four hours credit. Professor Swenson. (Not given 1921-22.)

47. Labor Problems.—The labor problem in relation to modern history; the rise and growth of labor organizations; the development of collective bargaining; industrial arbitration and conciliation; the principles of state interference in industry. Spring. 9:30. Four hours credit. Professor Swenson.

48. Social Statistics.—The purpose of the course is to become acquainted with the method of gathering and principles of interpreting various kinds of social and economic data. Spring. Four hours credit. Professor Swenson. (Not given 1921-22.)

EDUCATION

Professor Brown

Professor Woodward

Associate Professor Poulson

Associate Professor Larsen

Assistant Professor Ollorton

Assistant Professor Peterson

Assistant Professor Dusenberry

Professor Eastmond

The courses in this department are designed to prepare teachers and supervisors for elementary and secondary schools.

Students completing two years or ninety hours of college work, including thirty hours in Education, will be granted a Normal Diploma. The following courses in Education are prescribed to meet the professional requirements: Educational Psychology, Principles of Education, Methods of Teaching and Elementary Training. Students completing requirements for the Bachelor's or the Master's Degree, including 32 hours in Education, will be awarded in connection with the Bachelor's or Master's Degree, a Teacher's High School Diploma. The following courses in Education are prescribed to meet the professional requirements: Psychology, at least four hours, the remaining twenty-eight hours in the following subjects: Science of Education, Secondary Education, Secondary Training, and Methods, or their equivalents.

Students making Education their major for the Bachelor's Degree are expected to offer History of Education, Advanced Educational Psychology, and School Organization and Administration in addition to the courses prescribed for the High School Diploma.

The College of Education of the Brigham Young University has been accredited by the State Board of Education and students meeting the above requirements will be granted corresponding state credentials, without examinations, to teach in the schools of the state.

In order to provide opportunities for observation and practice teaching, the University has a well equipped training school, including a kindergartern, the six elementary grades, and the six years of the Junior and Senior High School.

Students who wish to specialize in any subject or prepare themselves for supervisors will be assigned additional work under special teachers. They will find all the departments, including laboratory equipment of the University, open to them.

11. Principles of Education.—An introduction to

the technique of teaching. A discussion of educational theory and practice as applied in school. The problems involved in the relation between teacher and pupil. The selection and organization of subject matter as taught in the school. Principles involved in good school management and school government will be discussed. Winter 9:30 and 3:30. Spring 9:30. Four hours credit. Associate Professor Poulson.

12. Introduction to the Scientific Study of Education.—The aim of this course is to give the students an idea of the function of the school as a social institution and to aid them in the selection of a specific curriculum which will best meet their educational needs. General school problems and facts about education which should be known by every intelligent citizen will be discussed. Autumn or Winter. 4:30. Two hours credit. Professor Woodward.

13. Story Telling and Children's Literature—A study from the literary and educational points of view of the best literature available for children. This should involve some familiarity with the basic folk tales from which the standard children's stories, rhymes, and poems have been largely derived, and practical exercises in the oral presentation of this material. 10:30. Two hours credit. Assistant Professor Dusenberry.

21. Methods of Teaching in Primary and Intermediate Grades.—This course should be taken parallel with the course in elementary training by students who expect to teach in the primary or intermediate grades. A careful study of principles, methods, and subject matter involved in the teaching of reading, language, and spelling. Special attention will be given to teaching reading to beginners, including an analysis and demonstration of the principal methods. This course will be accompanied by observation of primary and intermediate class work and the preparation of teaching plans. Autumn. Four times a week, 10:30. Four

hours credit. Assistant Professors Ollorton and Peterson.

22.—Methods of Teaching in Primary and Intermediate Grades. Continued.—Principles, methods, and subject matter involved in teaching of handwriting, arithmetic, geography, and history will be considered. This will also be supplemented by demonstrations in the Training School. Students will be made familiar with the State Course of Study. Winter. 10:30. Four hours credit. Assistant Professors Ollorton and Peterson.

23. Methods of Teaching in Intermediate and Grammar Grades.—This course should be taken parallel with the course in elementary training by students who expect to teach in the intermediate and grammar grades. Careful consideration will be given to the review of the essential subject matter and the special methods involved in the teaching of the following subjects: spelling, hand-writing, arithmetic, reading, and English. Special technique and methods of socializing instruction in each subject will be illustrated by the observation of model lessons in the Training School. Ten lessons will be given on the use of books and libraries and the choice of books suitable for children. Autumn. 10:30. Four hours credit. Associate Professor Poulson.

24. Methods of Teaching in Intermediate and Grammar Grades—Continued.—Principles, methods, and subject matter involved in the teaching of history, community civics, manual training, industrial arts, elementary science and geography will receive careful consideration. Attention will also be given to school problems in rural communities, special-day programs, boys' and girls' club exhibits, etc. A valuable part of the course will be the observation work in the Training School. Students will be made familiar with the State Course of Study. Winter. 10:30. Four hours credit. Associate Professor Poulson.

31. Elementary Training.—This course is designed

to give practical work in grade teaching and management. Preliminary to teaching, a period will be devoted to directed observation work in the Training School and to a careful consideration of the problem of plan making. Students will be given the opportunity to teach under the help and guidance of expert supervisors for a minimum of 175 half-hour periods. In order that this experience may be of as high quality as possible frequent consultations will be held and constructive criticisms given. Students will be expected to recognize and apply the underlying principles and methods used and develop and express their own individuality in the practical work. Applicants for this course will be required to show that they have a knowledge of the fundamentals of grade work. Sec. 1. Autumn and Spring. Sec. 2. Winter and Spring. Daily from 1:30 to 2:30, and another hour between 9:30 and 3:30 to be arranged with the director. Ten hours credit. Associate Professor Poulson and Assistant Professors Ollorton and Peterson.

32. Systematic Observation of Teaching.—This course should be elected by students before or during practice teaching. It consists of about 50 hours devoted to the systematic observation of superior class room teaching and discussion of the activities observed. W. at 9:30 and F. at 10:30. Continued through Autumn and Winter Quarters. Two hours credit. Associate Professor Poulson and Assistant Professors Ollorton and Peterson.

35. Elementary School Tests.—A study of the movement in education towards measurement and standardization. A critical examination of various standard tests for elementary school subjects, and their value when used in measuring the work of the classroom. Practice will be afforded in giving and scoring tests in the grades of the Training School and interpreting results. Autumn, Winter or Spring. 10:30. Two hours credit. (Not given 1921-22.)

16. Science of Education.—This course should be preceded by courses in General or Educational Psy-

chology. A consideration of the fundamental problems of educational theory and practice; the aims, standards and content of education. A study of the principles determining educational values. A summary of the psychological investigations that have been made relative to the principal school subjects. The origin and present status of educational theory in the problems of liberal vocational guidance, doctrines of formal discipline and interest. This course must precede or be taken in connection with secondary training. Open to Seniors and Graduates. Winter. 9:30. Four hours credit. Professor Woodward.

18. Vocational Education.—Factors in the choice of occupation methods in vocational counseling; the functions of the vocational counselor; the influence of vocational requirements on school programmes and method of teaching; duties and opportunities of teachers, school officers, parents, and others in vocational guidance. Spring. 9:30. Three hours credit. Associate Professor Larsen.

37. Secondary Training.—Observation, study, planning of the student's major line of work, followed by practice teaching under supervision, in the Secondary Training School. Regular attendance at class lectures and individual consultation periods form a part of the course. A short period will be given to instruction in Library technique. Open to seniors and graduates only. Daily, Autumn, Winter, or Spring at 1:30 or 2:30, for practice teaching, and 10:30 for lectures and consultation period. Four hours credit each quarter. Students who have taken elementary training ordinarily will not be required to work out more than the minimum requirement in Secondary Training. See announcement under High School Diploma. Taken in connection with or preceded by Education 16 and 66. Professor Woodward and Associate Professor Poulson.

46. History of Education.—A discussion of the educational theories and practices of the Greek, Roman and Medieval periods of history. Emphasis will be placed upon

the following topics: the rise and growth of Christian education, the rise of universities, the Renaissance, the development of science and the scientific method, and the more recent and contemporary development of educational theory and practice. Knowledge of European History presupposed. Autumn. 2:30. Four hours credit. (Not given 1921-22.)

56. School Organization and Administration.—The organization, administration and supervision of educational institutions and school systems, their relationship to each other and to social activities, their purpose and progress of study; the administration and supervision of schools in state, city and rural communities. The following topics will be considered; sources, apportionment, and distribution of school revenues; unit of control, equipment, the classification of pupils, and appointment of teachers. A critical study of important school surveys and school law. Course designed for teachers, principals, supervisors and superintendents. Open to juniors, seniors, and graduates. Winter. Daily. 2:30. Four hours credit. Professor Woodward.

66. Secondary Education.—Discussion of the pedagogy of secondary school subjects, types of learning, individual differences, adolescence, courses of study, organization and management of secondary schools. This course should be preceded by Psychology 11 and Education 16. Open to seniors and graduates. Spring. 9:30. Four hours credit. Professor Woodward.

86. Educational Problems.—Special research problems in the field of education will be assigned, or students may choose their own problems provided there is the proper material at hand to permit thorough investigation. The results may be embodied in a thesis. Open to seniors and graduates. Time to be arranged. Autumn, Winter, or Spring. Two hours credit. Professor Woodward.

NORMAL ARTS

12. **Normal Manual Training.**—Construction and handicraft for primary grades and kindergarten. Clay work, paper construction, simple stenciling, stick printing, weaving, and thin wood construction. Work correlated with the seasons, special days, local industries, the home and various subjects of the school curriculum. Special attention given to method. Art 31 and 32 recommended. Careful consideration of adopted courses of study. Laboratory fee, \$1.50. Spring. Time to be arranged. Three hours credit. Associate Professor Larsen.

13. **Normal Manual Training.**—Correlated construction and handicraft for grammar grades and junior high school. Clay modeling and construction, working, drawing, thin wood construction, branch work, native material basketry, book binding, textile work, and other lines of constructive design fitted to the needs of industrial education. Practical method work with special emphasis on centers of interest. Art 31 and 32 recommended. Laboratory fee, \$1.50. Spring. Time to be arranged. Three hours credit. Professor Eastmond.

35. **Arts Supervision—Methods of Teaching.**—Study of the educational possibilities in drawing, design, domestic art, domestic science and the fine arts. Study of the adaptation of materials and mediums of expression. Study of arts and manual training correlation. This course is subject to subdivisions adjusted to methods in the various lines of work. Autumn. Time to be arranged. Two hours credit. Professor Eastmond. (Not given in 1921-22.)

36. **Supervising Training.**—The planning of courses of study. Actual training with various grades. Subdivisions will be necessarily made and students will be given training work with the teachers of various subjects. Required: Education 21 and Psychology 21. Winter. Time to be arranged. Two hours credit. Professor Eastmond. (Not given in 1921-22.)

INTERMOUNTAIN LIBRARY SCHOOL

43. **Library Training.**—Beginning early in January, 1922, a library course covering six weeks will be conducted by Mary E. Downey, State Library Organizer, for libraries of the intermountain district. The library and all other facilities of the University will be available to those who enroll in the course. Time of recitation and credit to be arranged.

ENGLISH

Professor Osmond
Professor Reynolds
Associate Professor Jensen
Mr. Merrill
Mr. Maeser

11. **Rhetoric and Composition.**—Themes, exercises, and prescribed reading. Autumn. Five hours credit. Section 1. 8:30. Associate Professor Jensen. Section 2, 9:30, Mr. Merrill. Section 3, 2:30, Associate Professor Jensen.

12. **Rhetoric and Composition.**—Continuation of 11. Winter or Spring. Four hours credit. Sec. 1, 8:30. Mr. Merrill. Sec. 2, 9:30, Associate Professor Jensen.

15. **Advanced Composition.**—Practical, oral, and written work in narration, description, and exposition with emphasis on the narrative form of writing. Prerequisites: English 11 and 12. Four hours credit. Autumn 10:30. Professor Osmond and Mr. Merrill.

16. **Advanced Composition.**—A study of argumentation and debate. Prerequisite, English 12. Four hours credit. Spring. 8:30. Associate Professor Jensen.

17. **Short Story Writing.**—Technique of the short story. Prerequisite: English 15, or permission of the

instructor. Four hours credit. Winter. 10:30. Mr. Merrill.

18. **Newswriting.**—A course in news-gathering and writing, and copy-editing. The campus and city will be the field of activity. Suitable stories will be published. Prerequisite: English 12. Four hours credit. Spring. 2:30. Associate Professor Jensen and Mr. Merrill.

19. **Advanced Narration.**—Advanced work in short story writing; long and short themes. Open to advanced students in English. Four hours credit. (Not given in 1921-1922.)

25. **Anglo-Saxon.**—The work of this course is based on Bright's Anglo-Saxon Reader. Spring. 3:30. Four hours credit. Professor Osmond.

27. **Philology.**—The history and development of the English vocabulary. A comprehensive study of the ways of words and the development of English Grammar. Four hours credit. Professor Osmond.

28. **Chaucer.**—In this course, a number of the Canterbury Tales are read in class. The student is carefully drilled in Chaucer's pronunciation, and special attention is given to the interpretation of the text. Four hours credit. (Not given in 1921-22.)

35. **Shakespeare's Tragedies.**—An intensive study of three plays. Autumn. 10:30. Four hours credit. Professor Osmond.

36. **Shakespeare's Comedies.**—An intensive study of three plays. Winter. 10:30. Four hours credit. Professor Osmond.

37. **Milton.**—A study of Milton's minor poems and

several books of *Paradise Lost*. Spring. 10:30. Four hours credit. Professor Osmond.

41. **The History and Development of the English Novel.**—Three hours credit. Winter, M. W. F. 8:30. Mr. Merrill.

42. **The Romantic Poets.**—Wordsworth and Coleridge. Autumn. 10:30. Two hours credit. Professor Reynolds.

43. **Byron and Scott.**—Winter. 10:30. Two hours credit. Professor Reynolds.

44. **Shelley and Keats.**—Spring. 10:30. Two hours credit. Professor Reynolds.

57. **Modern European Drama. (Continental.)** Autumn. 4:30. Four hours credit. Professor Reynolds.

58. **Modern Drama. (British.)**—Winter. 4:30. Four hours credit. Professor Reynolds.

59. **Modern Drama. (American).** Spring. 4:30. Four hours credit. Professor Reynolds.

61. **Modern Novel.**—General reading and a critical analysis of representative novels. Three hours credit, M. W. F., 8:30. Mr. Merrill.

66. **Tennyson's Minor Poems.**—Autumn. M. W. F. 2:30. Three hours credit. Professor Reynolds.

67. **Tennyson's Major Poems.**—Winter. M. W. F. 2:30. Three hours credit. Professor Reynolds.

68. **Browning.**—Spring. M. W. F. 2:30. Three hours credit. Professor Reynolds.

GEOLOGY AND GEOGRAPHY.

Professor Buss

Mr. ———

11. **Introductory Geology.**—This course aims to present a general view of the field of Geology in its three important aspects:—dynamic, structural, and historic. It is intended for those students who desire a brief survey of the field of earth science either for its cultural value or as an introduction to more detailed work in geology. Autumn, M. W. F., 9:30. Laboratory F. 2:30-5:30. Four hours credit. Professor Buss.

17. **Geology of Utah.**—Intended for advanced students who have already a working knowledge of geology. Deals with the geologic history and development of the state and explains its present surface and rock formations. Autumn. Lectures T. Th. at 9:30 and 3 Saturday field trips, the expense of which to the student may amount to \$4 or \$5. Three hours credit. Professor Buss.

18. **Ore Deposits of Utah.**—Intended to follow course 17, dealing with the genesis of the ores of Utah and their profitable extraction. Embraces a study of the mining districts of the state. Winter Lectures. T. Th. at 9:30 and trips to the Tintic mining district, the expense of which the student will stand. Three hours credit. Professor Buss.

19. **Structural Field Geology.**—A course in the recognition and interpretation of rock structure and deformations both in geologic maps and in the field. Training in the making of geologic maps and sections. Stress is placed on the influence of rock structures as related to ores and oil and water development. Introductory Geology is a prerequisite for this course. Spring. Lecture Tues.

at 10:30 and 3 hours laboratory or field work each week. Three hours credit. Professor Buss.

21. The Development of Continents:—A course in historical geology with the development of North America as the type example. Prerequisite Geology 11 or Geology 51. Winter. M. W. F. at 10:30 and laboratory F. 2:30-5:30. Four hours credit. Professor Buss.

24. Index Fossils.—A course dealing with the fossils that mark the geologic periods in Utah. Prerequisite Geology 21. Spring. Lecture M. at 10:30 and 6 hours laboratory work by arrangement. Laboratory fee \$1. Three hours credit. Professor Buss.

31. Water Resources.—Autumn. 2 hours credit. (Not offered 1921-1922.)

41. Blowpipe Analysis.—A course in determinative mineralogy by physical tests. Winter. Lecture, Tues. at 10:30 and 4 hours laboratory work. Two hours credit. Laboratory fee \$3. Professor Buss.

42. Optical Mineralogy:—Determination of minerals in the pure state and in the rock section with the polarizing microscope. Practice in making rock sections. Winter. Lecture Th. at 10:30 and 5 hours laboratory work. Three hours credit. Laboratory fee \$2. (May not be given in 1921-22.)

45. Lithology.—A study of rock forming minerals and the common rocks by the ordinary field tests and their larger mineralogical characters. Each student will collect and mount 25 varieties of rocks. Spring. Lecture Th. at 10:30 and 4 hours laboratory or field work. Laboratory fee, \$1. Two hours credit. Professor Buss. (Not given 1921-22.)

51. Physiography.—This course deals with the

agencies of change as they are working on the surface of the earth to model its form. Winter, M. W. F. at 2:30 and 3 hours laboratory work. 4 hours credit. Professor Buss.

52. Physiographic Forms.—A continuation of course 51 dealing with the present topography of the earth and how these forms were produced. Spring, M. W., F., at 2:30 and several field trips by arrangement. Four hours credit. Professor Buss.

53. Meteorology.—The science of weather and the principles of weather forecasting. Autumn. Lectures T. Th., at 1:30 and one or two hours per week of observation. Two hours credit. Professor Buss. (Not given in 1921-22.)

55. The Distribution of Life.—A study of the climatic control of plants and animals. Deals especially with the local distribution of plants and animals as governed by altitude and slope exposure. This course can well be taken in conjunction with Geology 52. Spring. Lecture T. at 2:30 and four hours field work. Two hours credit. Professor Buss.

56. Physiography of the U. S.—Geology 51 and 52 are prerequisite. Winter, M. W. F. at 1:30. Three hours credit. (Not given 1921-22.)

57. Physiography of Utah.—Geology 51 and 52 are prerequisite. Spring, T. Th. at 1:30 and three Saturday field trips. Three hours credit. (Not given 1921-22.)

61. Commercial Geography. Touches upon the geographic and human factors that have governed the development and localization of industries. Autumn or Winter. Daily at 1:30. Five hours credit. Professor Buss.

62. Principles of Geography.—Intended primarily for elementary school teachers. Deals with illustrative geographic materials and the principles of geography which, if understood, elevates geography out of the plane of a mere memory exercise. Winter, M. W. F., at 3:30. Three hours credit. Professor Buss.

HISTORY

Professor Jensen

Mr. Eyre

11. Early Medieval Period.—A study of the later Roman Empire; Roman imperialism; reforms of Diocletian and Constantine; growth of Christianity; rise of the Papacy; barbarian invasions; break-up of the Roman Empire. Charlemagne and the Franks; feudalism and its results; conflict between the Papacy and the Emperors; rise and growth of Mohammedanism; the Crusades; rise of the universities; medieval institutions. This course is open to all students. It should be elected in the Freshmen year by all who intend to major in History, to be followed in the Winter quarter by History 12, and in the Spring quarter by History 13. Autumn, 10:30. Four hours credit. Professor Jensen.

12. Later Medieval and Early Modern History.—A study of the medieval Church; rise of national monarchies; medieval towns; trade and craft guilds; the Renaissance movement; the Protestant Reformation and the religious wars; the Counter-Reformation; English constitutional development under the Stuarts; the period of Louis the Fourteenth. Open to all students. Winter, 10:30. Four hours credit. Professor Jensen.

13. Later European History.—A study of the old regime; the forces of revolution in Europe; the political and social movements during the 19th and 20th centu-

ries. Open to all students. Spring, 10:30. Four hours credit. Professor Jensen.

14. **History of France.**—From the early beginnings to the French Revolution. Autumn, 9:30. Three hours credit. Professor Jensen.

small.

15. **History of France.**—Continued. From the French Revolution to 1920. Winter. 9:30. Three hours credit. Professor Jensen.

17. **The French Revolution and Napoleonic Period.**—An intensive and critical study of the causes, political movements, constitutional and social experiments of French Revolution. A careful examination of the life and career of Napoleon Bonaparte and his influence on Europe. Four hours credit. (Not given 1921-1922.)

18. **History of Europe Since 1815.**—A study of the great movements of modern history with some attention to colonial and commercial rivalries. To conclude with a study of the World War and its results. Open to all students with necessary qualifications. Four hours credit. (Not given 1921-1922.)

24. **History of England to 1660.**—This course deals with the origins of English institutions, the struggle between Anglo-Saxons and Normans, the emergence of a strong government under William the Conqueror and Henry II, the parliamentary development of the 13th century, the Hundred Years War, the War of Roses, the preeminence of England under the Tudors, the struggle of the Divine Right Monarchy with the forces of Puritanism. This course is open to all students and is especially valuable for students, who are majoring in English. Four hours credit. (Not given 1921-1922.)

25. **History of England Since 1660.** Emphasis will

be placed on the Puritan revolution, the development of the Cabinet system, the wars with France, the Napoleonic struggles, the condition leading up to the American Revolution and the loss of the American colonies, the expansion of the British Empire, the political, religious, social, and economic reforms of the nineteenth century, the Irish Home-Rule question, and the present problems. Intended for all students and especially those majoring in English. Four hours credit. (Not given 1921-1922.)

33. American History to 1789.—A study of the problems of discovery, exploration, and colonization; European conflicts for colonial possessions in America; causes, conflicts and results of the American Revolution; establishment of State governments; the "Critical Period" and its problems; the work of the Federal Constitutional Convention; ratification of the Constitution. Open to all students. Autumn, 1:30. Three hours credit. Professor Jensen.

34. American History 1789-1861.—The establishment of a national government; political theories of Federalists and Anti-Federalists; Jeffersonian democracy; the Second War with England; the "Rise of the New West;" formulation of the Monroe Doctrine; the Jacksonian "reign;" nullification; the Mexican War; economic, political and moral phases of slavery. Winter, 1:30. Three hours credit. Professor Jensen.

35. American History Since 1861.—The problem of secession; military and economic history of the Civil War; problems of reconstruction; civil service reform; the Far West; Spanish-American War; the Philippine question; industrial and social problems; diplomacy and foreign relations; political parties and party activities; participation in the World War. Spring, 1:30. Three hour credit. Professor Jensen.

37. American Constitutional History to 1789.—A

study of colonial institutions and the constitutional relations between the colonies and the mother country; the problem of British imperialism; constitutional theories and principles involved in the pre-Revolutionary struggles; the constitutional questions of the American Revolution; establishment of the State constitutions; problems of the Confederation; Federal Constitutional convention; organization of the new government. Open to all with proper qualifications. Especially recommended for those who plan to study Law. Autumn, 9:30. Two hours credit. Professor Jensen.

38. American Constitutional History from 1789 to 1861.—A study of the constitutional questions involved in the Alien and the Sedition Acts; the Virginia and Kentucky Resolutions; the Hartford Convention; influence of Chief Justice Marshall; acquisition of new territory; constitutional problems connected with internal improvements; constitutional problems of slavery and expansion; Garrison's views of government; constitutional theories of Calhoun, Hayne, and Webster. Winter, 9:30. Two hours credit. Professor Jensen.

39. American Constitutional History from 1861 to 1920.—A study of constitutional questions connected with the Civil War; secession and coercion; constitutional problems relating to declaration of war and blockade; the war powers and civil rights; martial law and the constitution; emancipation; governmental problems of reconstruction; the amendments to the constitution; constitutional problems relating to industrial and economic expansion; insular possessions and the constitution; questions of the World War. Recommended for students intending to study Law. Spring, 9:30. Two hours credit. Professor Jensen.

44. History of the World War. A study of the causes, events, and results of the World War, with an

examination of the Peace Treaties. Spring, 9:30. Three hours credit. Professor Jensen.

HOME ECONOMICS

Professor Cutler

Professor Elliott

Mrs. Wright

Miss Campbell

DOMESTIC SCIENCE

11. **Cookery.**—A practical course in food preparation, meal planning and serving for housewives, and for students following lines of study other than Home Economics. Spring. Two three-hour periods. Lecture and laboratory. Three hours credit. Professor Cutler.

21. **Foods.**—Selection and preservation of fruits, vegetables, meats. Use of fruits and vegetables in the diet. Autumn. Two three-hour periods. Lecture and laboratory. Three hours credit. Parallel, Biology 21. Professor Cutler.

22. **Foods.**—Selection and preparation and use in the diet of cereals, milk, eggs, meats. Winter. Two three-hour periods. Lecture and laboratory. Three hours credit. Professor Cutler.

23. **Foods.**—Food Combinations—Planning and serving family meals. Spring. Two three-hour periods. Lecture and laboratory. Three hours credit. Prerequisites, 21, 22, Chemistry 13. Mrs. Wright.

35. **Institutional Cookery.**—Experience in management of school cafeteria, quantity cooking, marketing, keeping of cafeteria accounts, study of food economics. Nine hours practice in cafeteria and one hour lecture per week. Prerequisite or parallel, Courses 21, 22, 23, or equivalent. Autumn, Winter, or Spring. 10:30-12:30. Four hours credit. Mrs. Wright.

45. Experimental and Demonstrational Cookery.—Prerequisites, Foods, 21, 22, 23. Autumn. Two three-hour periods. Three hours credit. Professor Cutler.

56. Nutrition.—A study of the chemistry, digestion, and metabolism of carbohydrates, fats, proteins, and mineral salts, also the properties of foods and their effect on health and growth. Prerequisites, Chemistry 41 and 46. Winter. Three hours recitation and one three-hour laboratory period. Four hours credit. Professor Cutler.

57. Dietetics.—This course consists of the study of the food requirements of the family and of the individual. Special emphasis is placed on infant and child feeding. Prerequisite, Domestic Science 56. Spring. Three hours recitation and one three-hour laboratory period. Four hours credit. Professor Cutler.

HOUSEHOLD ADMINISTRATION

45. Home Care of the Sick.—Hygiene of the sick room. Treatment of common ailments and emergencies. Suggested parallel, Biology 21. Two hours recitation. Autumn. Two hours credit. Professor Cutler.

47. Child Care. A study of pre-natal care, maternity nursing in the home and care of the infant and child. Suggested parallel, Biology 55. Three recitations. Winter. Three hours credit. Professor Cutler.

56. Home Management.—Problems of the Household.—The study of the organization and management of the home, including home ideals, methods of work, division of time in the household, household tools. Prerequisite, Physics 11, and Sociology 11 for students majoring in Home Economics. Autumn. Three hours recitation. Three hours credit. Professor Cutler.

57. Home Management.—Household Economics.—The division of the income. Efficient household purchasing. Methods and practice of keeping personal and household accounts. Winter. Two hours credit. Professor Cutler.

58. Home Management.—Supervised work in practice house.

Practice Teaching in Home Economics.—(See Education 37.

Home Planning and Applied Art.—See Art 27.

DOMESTIC ART

21. Clothing.—Study of cotton textiles. Use of and adaptation of commercial patterns to the user. Technical finishing of simple, machine-made garments. Lecture period will consider the purchasing of textiles, their construction and care. Plain sewing a prerequisite. Autumn. Daily, one hour. Lecture and laboratory. Two hours credit. Laboratory fee, \$1.00. Professor Elliott.

22. Clothing.—Study of wool and silk textiles. Smock and wool dress, emphasis placed on the correct finishing of each article. Lectures on the above textiles and dress design. Winter. Daily, one hour. Laboratory and lecture. Two hours credit. Laboratory fee, \$1.00. Professor Elliott.

23. Clothing.—Summer dresses, adapting the line and color to the form and complexion of the wearer. Important points in the social and artistic problems will be emphasized. Spring. Daily, one hour. Lecture and laboratory. Two hours credit. Laboratory fee, \$1.00. Professor Elliott.

Note: Art 21 prerequisite, or is to be taken parallel with Domestic Art 21, 22, 23. For advanced design applied to dress and household furnishings, see Art 28.

31. **Textiles.**—History of primitive and modern methods of manufacturing textiles. Collection and study of samples required. Chemistry 11 and 12, prerequisite. Autumn. Daily, one hour. Lecture and laboratory. Two hours credit. Laboratory fee, \$1.00. Professor Elliott.

32. **Textiles.**—Continuation of textiles 31. Winter. Daily, one hour. Lecture and laboratory. Two hours credit. Laboratory fee, \$1.00. Professor Elliott.

33. **Textiles.**—Care of clothing, dry cleaning, laundering, consideration of clothing budget. Chemistry 11 and 12 prerequisite. Spring. Daily, one hour. Lecture and laboratory. Two hours credit. Laboratory fee, \$1.00. Professor Elliott.

42. **Textiles Decoration.**—French and Eyelet work. A consideration of decorative needlework applicable to household adornment and wearing apparel. Art 28 prerequisite. Autumn. M. W. F. Laboratory fee, \$1.00. Two hours credit. Miss Campbell.

43. **Fine Sewing.**—Hand sewing. Fine stitching will be applied to baby clothing and children's dresses. Art 28 and Domestic Art 42 prerequisite. Winter. M. W. F. Laboratory fee, \$1.00. Two hours credit. Professor Elliott.

44. **Fine Sewing.**—Sheer waists and summer dresses. The purpose of this course is to create a desire for dainty clothing. Domestic Art 42, prerequisite. Spring. M. W. F. Laboratory fee, \$1.00. Two hours credit. Professor Elliott.

51. **Advanced Dressmaking.**—The combination of old and new material in the making of a dress. Practical experience in color harmony, in designing and buying materials for afternoon and evening dresses. Three hours required for preparation. Laboratory fee, \$1.00. Autumn. Two hours credit. Professor Elliott.

52. Advanced Dressmaking.—Afternoon and party dresses. Training in line and color harmony. Adapting designs in current fashion magazines to the individual. Three hours. Four hours required for the preparation. Laboratory fee, \$1.00. Winter. Two hours credit. Professor Elliott.

53. Advanced Dressmaking.—Application of line and color to the proportions of individuals. Design and draping material for summer dresses. Three hours a week. Four hours required for preparation. Laboratory fee, \$1.00. Spring. Two hours credit. Professor Elliott.

65. Shop Work.—This course is designed for students who have had experience in dressmaking and desire to continue in that line of work. Credit allowed on the basis of one hour of credit for three hours of work. Students may register for one, two, or three hours a quarter. Autumn, Winter, or Spring. Time to be arranged. Laboratory fee, \$1.00. Professor Elliott.

61. Millinery.—Making of buckram shapes and work in silk and velvet. Remodeling of winter hats. Autumn. Three hours per week. Two hours credit. Laboratory fee, \$1.00. Miss Campbell.

62. Millinery.—This course is especially designed for home makers. Autumn. Two hours. One hour credit. Laboratory fee, \$1.00. Miss Campbell.

63. Millinery.—Braid hats. Making of wire hat frames. Transparent hats. Art 21, prerequisite. Spring. Three hours per week. Two hours credit. Laboratory fee, \$1.00. Miss Campbell.

64. Millinery.—This course is especially designed for home-makers. It consists of making of braid hats, wire hat frames, transparent hats, etc. Spring. Two hours per

week. One hour credit. Laboratory fee, \$1.00. Miss Campbell.

MATHEMATICS

Professor Eyring

Professor Buss

Mr. Baird

11. **Plane and Spherical Trigonometry.**—The study of the trigonometric functions of angles, and the solution of triangles, trigonometric equations, and the theory and use of logarithms. The course is fully illustrated by practical problems. Winter. 9:30. Five hours credit. Professor Eyring.

12. **College Algebra.**—A brief review of High School Algebra; the theory of the fundamental operations and the solution of conditional equations; method of undetermined coefficients; partial fractions; permutations and combinations; highest common factor; determinants; graphs of equations of the first and second degree in two variables; and an introduction to Analytic Geometry. Autumn. 9:30. Freshman year. Five hours credit. Professor Eyring.

13. **Analytic Geometry.**—A study of rectangular co-ordinates, straight line, circle, parabola, ellipse, hyperbola, transfer of co-ordinates, general equation of the second degree in x and y , systems of conics, polar coordinates, and co-ordinates in space. Freshman year. Spring. 9:30. Five hours credit. Professor Eyring.

31. **Differential and Integral Calculus.**—The study of functions and their graphical representation; differentiation, rate of change of a function; integration as the limit of the sum; definite integrals; expansion in series; indeterminate forms; partial differentiation; and multiple integration, with geometrical applications to areas and vol-

umes and with mechanical applications to attraction, moment of inertia and centers of inertia. Autumn. M. T. Th. F. 8:30. Four hours credit. Professor Eyring.

32. Differential and Integral Calculus.—Continuation of 31. Winter. M. T. Th. F. at 8:30 Four hours credit. Professor Eyring.

33. Differential and Integral Calculus.—Continuation of 32. Spring. M. T. Th. F. at 8:30. Four hours credit Professor Eyring. (Courses 31, 32, 33 will not be given 1921-1922, but will be given the following year.)

36. Definite Integrals.—The study of the properties and methods of computing definite integrals, with applications of Physics and Geometry. Byerly's Integral Calculus will be used as a text. Junior or senior year. Autumn. 8:30. Four hours credit. Professor Eyring. (Not given 1921-1922.)

46. Differential Equations.—The study of differential equations of the first order, linear differential equations, total and partial differential equations, with numerous applications of Physics. Junior or senior year. Autumn. 8:30. Three hours credit. Professor Eyring.

47. Differential Equations.—Continuation of 46. Winter. 8:30. Three hours credit. Professor Eyring.

56. Analytical Mechanics.—The general principles of mechanics; the statics and dynamics of particles, rigid bodies, and fluids. Spring. 8:30. Four hours credit. M. T. Th. F. Professor Eyring.

Students who major in Mathematics have the following courses prescribed: Mathematics 11, 12, 13, 31, 32, 33, 46, 47.

ASTRONOMY

11. **Descriptive Astronomy.**—A course that deals with the fundamental facts and laws of the heavenly bodies. It is especially intended to introduce students to the larger concepts of nature and nature's creations. Autumn. Daily at 10:30 or Spring, daily at 1:30 with one evening each week at the observatory. Five hours credit. Professor Buss.

MECHANICS

Professor Eyring
Professor Partridge
Mr. Snell
Mr. Biglow

DRAFTING

Note: A fee of \$1.00 a quarter is required of all students in Drafting.

11. **Elementary Drafting.**—Use and care of instruments, drawing of geometric figures, projections, intersections of solids, development of surfaces, etc. Autumn. Daily. 9:30 or 10:30. Two hours credit. Professor Partridge.

12. **Elementary Drafting.**—Continuation of 11. Winter. Daily. 9:30 or 10:30. Two hours credit. Professor Partridge.

13. **Elementary Drafting.**—Continuation of 12. Spring. Daily. 9:30 or 10:30. Two hours credit. Professor Partridge.

21. **Mechanical Drawing.**—Simple parts of machines. drawn to scales, shoeing, blue-printing, etc. Pre-

requisite, Drafting 11, 12, and 13. Autumn. Daily. 9:30 or 10:30. Two hours credit. Professor Partridge.

22. **Mechanical Drawing.**—Continuation of 21. Winter. Daily. 9:30 or 10:30. Two hours credit. Professor Partridge.

23. **Mechanical Drawing.**—Continuation of 22. Winter. Daily. 9:30 or 10:30. Two hours credit. Professor Partridge.

31. **Elementary Machine Design.**—Free hand sketching and scaling of simple machines to be drafted. Parts of machines drawn to scale. Detail and assembled drawings of machines with tracings and blue-prints for actual construction. Some attention to original design. Prerequisite, Drafting 21, 22 and 23. Autumn. Daily. 9:30 or 10:30. Two hours credit. Professor Partridge.

32. **Elementary Machine Design.**—Continuation of 31. Winter. Daily. 9:30 or 10:30. Two hours credit. Professor Partridge.

33. **Elementary Machine Design.**—Continuation of 32. Spring. Daily. 9:30 or 10:30. Two hours credit. Professor Partridge.

41. **Topographical Drafting.**—This course is designed to give practical elementary work in topographical drawing. Prerequisite, Drafting 11, 12 and 13. Autumn. Daily. 9:30 or 10:30. Two hours credit. Professor Partridge.

51. **Engineering Drafting.**—This course is designed to give practical work in elementary drafting needed by prospective civil engineers. Mapping, platting from field notes, etc. Prerequisite, Drafting 11, 12 and 13. Win-

ter. Daily 9:30 or 10:30. Two hours credit. Professor Partridge.

61. Instrumental Perspective.—Principles of perspective applied to drawing of steps, fences, farms, houses, etc. Prerequisite, Drafting 11, 12 and 13. Spring. Daily 9:30 or 10:30. Two hours credit. Professor Partridge.

71. Architectural Drawing.—Drawing of complete plans and detail work for all parts of a frame dwelling. Working drawings, tracings and blue-prints. Prerequisite, Drafting 11, 12 and 13. Autumn. Daily 9:30 or 10:30. Two hours credit. Professor Partridge.

72. Architectural Drawing.—Continuation of 71. Winter. Daily 9:30 or 10:30. Two hours credit. Professor Partridge.

73. Architectural Drawing.—Continuation of 72. Spring. Daily. 9:30 or 10:30. Two hours credit. Professor Partridge.

74. House Planning.—Detail plans for a frame dwelling, a brick dwelling, a store, and a church or school house. Art 21 recommended as a parallel course. Prerequisite, Drafting 71, 72, and 73. Autumn. Daily 9:30 or 10:30. Two hours credit. Professor Partridge.

77. Original Architectural Design.—Designing and drawing of plans, writing specifications, estimating cost of a dwelling, a store, a church, and a school house, with tracings, blueprints, etc., complete for actual construction. Prerequisite, Drafting 71, 72, and 73. Daily. 9:30 or 10:30. Two hours credit. Professor Partridge.

78. Original Architectural Design.—Continuation of 77. Winter. Daily. 9:00 or 10:30. Two hours credit. Professor Partridge.

79. Original Architectural Design.—Continuation of 78. Spring. Daily, 9:30 or 10:30. Two hours credit. Professor Partridge.

81. Descriptive Geometry.—This course includes a study of the principles relating to the point, line, plane, cylinder, cone, and double-curved surfaces of revolution, with applications to practical problems. Prerequisites, Mathematics 11 and Drafting 11, 12 and 13. Autumn. Daily 9:30 or 10:30. Two hours credit. Professor Partridge.

82. Descriptive Geometry.—Continuation of 81. Winter. Daily. 9:30 or 10:30. Two hours credit. Professor Partridge.

83. Descriptive Geometry.—Continuation of 82. Spring. Daily. 9:30 or 10:30. Professor Partridge.

WOODWORK

11. Elementary Construction.—This course is designed (1) for the student who wishes training in the fundamental principles preparatory to pursuing this line of work; or (2) for the student who has had this training but wishes only a general course that will enable him to construct the simpler buildings, etc., in and around the farm and home, such as gates, fences, and farm buildings. Attention given to individual needs. Students should have had or should be taking drafting as a parallel course. Autumn. Daily 1:30-3:30. Fee, \$2.50. Three hours credit. Mr. Snell.

12. Elementary Construction.—Winter. Continuation of 11. Daily 1:30-3:30. Fee, \$2.50. Three hours credit. Mr. Snell.

13. Elementary Construction.—Spring. Continua-

tion of 12. Spring. Daily 1:30-3:30. Fee, \$2.50. Three hours credit. Mr. Snell.

21. Cabinet Construction.—This course is designed to teach the principles of cabinet construction. After the problem is chosen, drawings and blue prints are submitted and the article is made to conform to these. Training is given in the use of modern woodworking machinery. Woods commonly used in cabinet work are studied as to their adaptability and finishing qualities; veneering, inlaying and hand polishing. Prerequisite, Drafting 13. Autumn. Daily 1:30-3:30. Fee, \$2.50. Three hours credit. Mr. Snell.

22. Cabinet Construction.—Continuation of 21. Winter. Daily 1:30-3:30. Fee, \$2.50. Three hours credit. Mr. Snell.

23. Cabinet Construction.—Continuation of 22. Spring. Daily 1:30-3:30. Fee, \$2.50. Three hours credit. Mr. Snell.

36. Carpentry.—This course deals with problems of inside finish; i. e., laying of floors, fitting of windows, hanging of doors, casing, and built-in work. Stair construction and dado work. Thorough drill in saw filing. Prerequisite, Drafting, 73. Autumn. Daily 3:30-5:30. Fee, \$2.50. Three hours credit. Mr. Snell.

37. Carpentry.—Location of buildings with respect to soil conditions, street frontage, etc. Foundations, footings, and damp proofing. Application of the steel square to framing problems. Full, half, and balloon framing. Prerequisite, Drafting, 73. Winter. Daily 3:30-5:30. Fee, \$2.50. Three hours credit. Mr. Snell.

38. Estimating.—Interpretation of plans and specifications. Methods of estimating and figuring costs of material and labor for excavations, foundations, cement

work, heating, plumbing, painting, etc. Permits, contracts, liens. Prerequisite, Drafting 73. Spring. M. W. F. 3:30-4:30. Fee, \$2.50. Three hours credit. Mr. Snell.

46. Shop Work.—Under the supervision of the instructor, students may do advanced work, consisting of the erection of buildings, built-in work, fancy furniture, or novelty work. Complete plans and specifications must be submitted and accepted before work is begun. Prerequisite. Woodwork 36, 37, 38 or their equivalent. Time to be arranged. Credit given on the basis of three hours for ten hours of application each week during the quarter. Autumn. Fee, \$2.50. Mr. Snell.

47. Shop Work.—Continuation of 46. Time, fee, credit, etc., as in 46. Winter. Mr. Snell.

48. Shop Work.—Continuation of 47. Time, fee, credit, etc., as in 46. Spring. Mr. Snell.

. AUTO MECHANICS

11. Elementary.—Construction of the automobile and an elementary study of the principles involved. Assembling, repairing, lubrication. Battery, ignition, and carburetor work. Drafting 23 and Ironwork 11 recommended as parallel courses. Lectures and demonstration twice each week. Autumn. Daily 3:30-5:30. Fee, \$5.00. Three hours credit. Mr. Biglow.

12. Elementary.—Continuation of 11. Winter. Daily 3:30-5:30. Fee, \$5.00. Three hours credit. Mr. Biglow.

13. Elementary.—Continuation of 12. Spring. Daily 3:30-5:30. Fee, \$5.00. Three hours credit. Mr. Biglow.

. IRONWORK

11. Elementary.—This course is designed to give

training in the fundamental principles of forge practice. Autumn. Daily. Time to be arranged. Fee, \$4.00. Five two-hour recitations. Three hours credit.

12. **Elementary.**—Continuation of 11. Winter. Daily. Time to be arranged. Five two-hour recitations. Three hours credit. Fee, \$4.00.

13. **Elementary.**—Continuation of 12. Spring. Daily. Time to be arranged. Five two-hour recitations. Fee, \$4.00. Three hours credit.

MODERN LANGUAGES AND LATIN

Professor Cummings

Miss Wunderly

Mr. ———

FRENCH

11. **Elementary French.**—Immediate application of phonetic principles by means of drills in order to secure pronunciation unmarred by brogue peculiarities. Ear training for French sounds, largely through dictation. Fundamentals of grammar. Vocabulary through direct association of idea and French word. A definite fund of active and passive vocabulary. Autumn, 8:30. Four hours credit. Professor Cummings.

12. **Elementary French.**—Further drill in phonetics and pronunciation. Training of ear and eye for French. Continued grammar drill. Students acquire a higher definite minimum of vocabulary both active and passive. Prerequisite, French 11 or one unit. Winter, 8:30. Four hours credit. Professor Cummings.

13. Elementary French.—Constant attention to correct pronunciation, grammar drill. A still higher minimum fund of vocabulary acquired by means of French definitions, synonyms, antonyms, illustrative sentences, etc. Vocabulary is habitualized through conversation and simple reproduction drills based on easy reading. Prerequisite, French 12 or equivalent. Spring, 8:30. Four hours credit. Professor Cummings.

14. Advanced French.—Drill, grammar, dictation, synonyms, antonyms, conversation, reproduction exercises. Abundant easy reading with definitely tested mass or passive vocabulary arising out of reading material. Prerequisite French 13 or equivalent. Autumn. 8:30. Two hours credit. Miss Wunderly.

15. Advanced French.—Grammar, idioms, and vocabulary learned with a view to essentials and serviceability. Prerequisite, French 14 or its equivalent. Winter. 8:30. Two hours credit. Miss Wunderly.

16. Advanced French.—Continuation of course 15. Prerequisite, French 15 or its equivalent. Spring, 8:30. Two hours credit. Miss Wunderly.

17. Advanced French.—Reading and conversation. Drill to acquire fluency in actual use of French; specially for students expecting to associate with French people and for students expecting to teach French. Large amount of easy reading. Prerequisite, French 13 or equivalent. Autumn. 10:30. Two hours credit. Professor Cummings.

18. Advanced French.—Reading and conversation. The same kind of training is given as in French 17. Prerequisite, French 17 or equivalent. Winter, 10:30. Two hours credit. Professor Cummings.

19. Advanced French.—Reading and conversation. The same kind of training as is given in French 17 and 18. Prerequisite, French 18 or equivalent. Spring, 10:30. Two hours credit. Professor Cummings.

26. Scientific French.—For the student who needs French for research work in science. Reading will be chosen in the student's special field. Prerequisite 12 hours of French courses. Another French course must be taken concurrently, with 26, 27, 28. One hour credit. Autumn, 8:30. Professor Cummings.

27. Scientific French.—Continuation of French 26. Prerequisite, French 20. Winter, 8:30. One hour credit. Professor Cummings.

28. Scientific French.—Continuation of French 27. Prerequisite, French 21. One hour credit. Spring, 8:30. Professor Cummings.

45. General Survey of French Literature.—Prerequisite, 24 hours of French. Autumn. Two hours credit. (Not given 1921-22.)

46. French History as Related to Literature.—Prerequisite, 24 hours of French. Winter. Five hours credit. (Not given 1921-22.)

47. French Literature of the Nineteenth Century.—Prerequisite, 24 hours of French. Spring. Two hours credit. (Not given 1921-22.)

55. Modern French Novel.—Prerequisite, 24 hours of French. One quarter. Three hours credit. (Not given 1921-22.)

56. Moliere and the French Comedy.—Prerequisite, 24 hours of French. One quarter. Three hours credit. (Not given 1921-22.)

SPANISH

11. Elementary Spanish.—Drills based on phonetic principles in order to secure pure, brogue-free pronunciation. Training of the ear for Spanish sounds, largely through dictation exercises. Fundamentals of grammar. Autumn, 1:30. Four hours credit. Professor Cummings.

12. Elementary Spanish.—Constant drill on sounds peculiar to Spanish in order to habitualize the relation of spoken and written symbols to the Spanish sounds. Accumulation of vocabulary reaches a higher quantitative minimum standard. Grammar drill. Prerequisite, Spanish 11. Winter, 1:30. Four hours credit. Professor Cummings.

13. Elementary Spanish.—Continued and constant attention to pronunciation. Grammar drill. A still higher minimum accumulation of active and passive vocabulary, which is gained by means of Spanish definitions, synonyms, antonyms, illustrative sentences, etc. Vocabulary is habitualized through conversation and simple dictation and reproduction drills based on easy reading. Prerequisite, Spanish 12 or equivalent. Spring, 1:30. Four hours credit. Professor Cummings.

14. Advanced Spanish.—Drill, grammar, dictation, synonyms, antonyms, conversation, reproduction exercises. Abundant easy reading from which is derived a definite quantitative mass of vocabulary, largely passive. Prerequisite, Spanish 13 or equivalent. Autumn, 1:30. Two hours credit. Profesesor Cummings.

15. Advanced Spanish.—Continuation of Spanish 14. Reading of modern Spanish writers, magazines and newspapers. Direct composition, oral and written. Letter writ-

ing. Drills to maintain correct pronunciation. Prerequisite, Spanish 14, or equivalent. Winter, 1:30. Two hours credit. Professor Cummings.

16. Advanced Spanish.—Continuation of Spanish 15. Grammar drill. Reproduction exercises. Idioms and vocabulary accumulation with emphasis on the essentials. Reading from standard Spanish writers. Prerequisite Spanish 15 or equivalent. Spring, 1:30. Two hours credit. Professor Cummings.

24. Commercial Spanish.—Conversational, commercial and industrial phases of Spanish. Prerequisite, twelve hours of Spanish. Another Spanish course must be taken concurrently with 24, 25, 26. Autumn 1:30. One hour credit. Professor Cummings.

25. Commercial Spanish.—Spanish 24 continued. Winter, 1:30. One hour credit. Professor Cummings.

26. Commercial Spanish.—Spanish 25 continued. Winter, 1:30. One hour credit. Professor Cummings.

48. Contemporary Spanish Literature.—Prerequisite, 20 hours of Spanish. Three hours credit. Autumn. Professor Cummings. (Not given 1921-22.)

49. Spanish-American Literature.—Prerequisite, 20 hours of Spanish. Three hours credit. Winter. Professor Cummings. (Not given 1921-22.)

GERMAN

11. Elementary German.—Principles of pronunciation and elementary grammar and easy reading. Autumn, 9:30. Four hours credit. Miss Wunderly.

12. Elementary German.—Continuation of German 11. Winter, 9:30. Four hours credit. Miss Wunderly.

13. Elementary German.—Continuation of German 12. By the end of the series of courses 11, 12, 13, the students will be expected to have read 300 pages of German. Spring, 9:30. Four hours credit. Miss Wunderly.

14.—Advanced German.—Further drill on pronunciation. Problems of construction and word-building. Minimum of general reading. Autumn. Four hours credit. (Not given 1921-22.)

15. Advanced German.—Continuation of German 14. Winter. Four hours credit. (Not given 1921-22.)

16. Advanced German.—Continuation of German 15. Spring. Four hours credit. (Not given 1921-22.)

LATIN

11. Elementary Latin.—Mastery of declensions and conjugations. Correlation of Latin originals and English derivatives. Autumn. Four hours credit. (Not given 192-22.)

12. Elementary Latin.—Latin 11 continued. Winter. Four hours credit. (Not given 1921-22.)

13. Elementary Latin.—Latin 12 continued. Spring. Four hours credit. (Not given 1921-22.)

14. Cicero.—Minimum of three of Cicero's orations. Prerequisite Latin 13 or equivalent. Autumn. Four hours credit. (Not given 1921-22.)

15. Vergil.—Reading and literary interpretation of Vergil's Aeneid. Attention is given to mythology. Prerequisite, Latin 14 or equivalent. Winter. Four hours credit. (Not given 1921-22.)

16. Vergil.—Latin 15 continued. Prerequisite Latin

15 or equivalent. Spring. Four hours credit. (Not given 1921-22.)

MUSIC

Professor Jepperson
Associate Professor Sauer
Mr. Madsen
Mr. Nelson
Mr. Van Wagenen
Miss Jepperson

The music department will give throughout the year regular recitals, concerts, oratorios, and opera in which efficient students as well as artists of the state, will appear.

PRIVATE VOICE CULTURE

Special effort will be made to develop to the fullest extent of beauty and usefulness all voices of students who come for private instruction. The needs of each student will be considered and a systematic course of instruction given which will enable him to more perfectly express his talent, as well as to develop his sense of appreciation of music. One or two hours credit each quarter. Professor Jepperson and Mr. Madsen.

SPECIAL ELEMENTARY VOICE CULTURE

Something new in the way of vocal instruction will be offered which will appeal to those whose promise of talent seems yet obscure and to those who are financially unable to take the private lessons. This is not a chorus class—the regular private voice training will be given and each voice developed individually according to its needs both in exercise and songs. For many years past this form of instruction has thrived in the conservatories abroad, and many of our finest voices have been discovered in this way.

The hour will be shared by 2, 3 or 4 students—the price ranging accordingly. Arrangements to be made with the teacher as to time, etc. One or two hours credit each quarter. Professor Jepperson and Mr. Madsen.

SIGHT SINGING AND EAR TRAINING

11. **Choir A.**—This class is given for the purpose of developing the voices of inexperienced singers in sight-reading, part-singing, and other necessary principles of music preparatory to entrance into Choir B. to which they will be advanced according to the progress made in each quarter. Tuesday and Thursday. Students must meet with Music 14 at the same hour for rehearsal. Monday, Wednesday, and Friday. Autumn, Winter, Spring. One hour credit each quarter. Professor Jepperson and Mr. Madsen.

12. **Ladies' Glee Club.**—This course affords a thorough study of all forms of the better music in part-singing, duets, trios, quartettes, etc., and an unusual opportunity of appearing in concert, in cantata and operetta locally and in various communities of the state. Tuesday and Thursday. One hours credit each quarter. Autumn, Winter, Spring. Professor Jepperson.

13. **Male Glee Club.**—The aim of this course is to develop and perfect part-singing with male voices by means of studying the better class of songs and arrangements. Artistic programs will be prepared and concert tours made. All singers eligible. Monday, Wednesday, Friday. One hour credit each quarter. Autumn, Winter, Spring. Professor Jepperson.

14. **The Orpheus Mixed Chorus.**—Choir B. This organization has proven its value in uplifting and inspiring power both to those who participate and those who listen.

The finest music both sacred and secular from opera,

cratorio, and folklore, is studied and the practical experience of performing regularly is one of its big assets. Throughout the year. Daily. One hour credit each quarter. Professor Jepperson.

INSTRUMENTAL ENSEMBLE

22. String Chamber Music.—Each ensemble group will practice twice each week and will be required to play full quartette each month in special chamber play recital. We have a complete library of this class of music; the best efforts of the great composers.

Inspiration work for ambitious students. Consult head of String Department before electing this course. Two hours a week. Autumn, Winter, Spring. Time to be arranged with instructor. One hour credit each quarter. Mr. Van Wagenen.

23. Military Band.—This organization gives students who are making preparation for professional pedagogic work an opportunity to study band organization, Military band music, and to perfect themselves in ensemble playing.

The advantages of a band to a school are many. Such an organization helps to promote and sustain a spirit of school pride and enthusiasm; opens an avenue for the expression of musical skill by those not so much interested in singing, and often fosters a better understanding of classes.

The school band is thought and spoken of as "Our Band," by the school and membership and brings many associated privileges, such as attendance and playing at various functions, and visiting places not attainable otherwise. Daily throughout the year. Three hours credit. Associate Professor Sauer.

24. Band Arranging.—How to organize and keep bands in High Schools and how to arrange music for the same.

This course will be devoted entirely to methods of teaching band instruments, how to get at the band work, the relationship between the different instruments and how to make the work interesting to the student. The last part of the course will include conducting and arranging.

This course enables the band director to make arrangements to suit the grade and instrumentation of this organization and to make available any material that might be needed.

It is designed to prepare music supervisors, and all of those who intend to teach music, for band work.

Twice a week throughout the year. Six hours credit. A certain number of students is required. Associate Professor Sauer.

25. The Philharmonic Orchestra.—This organization affords unusual opportunity for students studying the string, reed, brass, and instruments of percussion to perfect themselves in professional and pedagogical knowledge of instrumental music in all forms in solo and ensemble work.

One recitation a week will be devoted to the history and functioning value of each instrument in the orchestra, the arranging and scoring for full orchestra and the contrast and color obtained through various instrument group combination. Concert tours are anticipated. Daily throughout the year. Three hours credit. Mr. Madsen.

INSTRUMENTAL MUSIC (Private)

Associate Professor Sauer
Mr. Nelson
Mr. Van Wagenen
Miss Jepperson.

31. Piano.—Students majoring in Piano will be required to pass an examination before registering for this course.

A thorough study of the technical side of piano play-

ing will be made; also the use of the pedals, and the principles of relaxation and weight touch. Scales in double thirds, fourths, and sixths will be given. Emphasis will be placed on the art of interpretation. The following will be studied: Mendelssohn's "Songs without Words;" Bach "Two and Three Part Inventions;" Sonatas from Mozart and Haydn; Kullak Octave Studies; classical and modern piano compositions. One lesson per week, throughout the year. Four hours credit. Mr. Nelson and Miss Jepperson.

32. Piano.—Study of Cramer; Brilow Studies; Czerny School of Virtuoso; Sonatas of Grieg and Beethoven. Public rendition of a standard concerto from memory will be required; also one public recital during the year. Four hours credit. Mr. Nelson.

33. Piano.—Study of Clementi "Gradus Ad Parnassum;" Bach, Well Tempered Clavichord; Beethoven Sonatas; Phillip Exercises Journaliers. Completion and rendition of at least one piano concerto during each year; also one public recital each year. One lesson a week throughout the year. Four hours credit. Mr. Nelson.

34. Piano.—Continuation of 33. One lesson a week throughout the year. Four hours credit. Mr. Nelson.

Note.—Beginning students in Piano will be given college credit; but it will not count towards graduation from the Music Department.

35. Piano Ensemble.—This course will consist of playing in duets, six hands, eight hands; and two pianos, four hands. The course develops a keen sense of rhythm, good judgment of tempos, interpretation, and balance in ensemble playing. Students who are taking private piano, only, will be admitted to this course. One forty-five minute lesson a week throughout the year. Two hours credit. Mr. Nelson.

41. Violin.—Students making violin their major

will be required to render concertos, sonatas or classic equivalents in addition to acquiring a knowledge of the instruments used in various string chamber music organizations and will be required to spend some time on the viola and cello in these organizations as well as orchestra. This work will be for the serious students who have proved their ability. Autumn, Winter, Spring. Time arranged with instructor. Three hours credit each quarter if majoring in violin, otherwise two hours. Mr. Van Wagenen.

51. Cornet, Clarinet, Saxophone, String Bass.—Lessons in fundamental and advanced work on String Bass, Cornet, Saxophone, and all other wind instruments will be given.

Students majoring in wind instruments will be required to render such solos, cadenzas, etc., as are found in difficult orchestral and band compositions. Autumn, Winter, Spring. Time arranged with instructor. One hour credit each quarter for one lesson a week. Two hours credit each quarter for two lessons a week. Associate Professor Sauer.

THEORY OF MUSIC

Mr. Madsen

64 Solfeggio.—(Sight-Singing and Playing.) This course is designed to prepare students for intelligent understanding of all branches of music vocally and instrumentally. It includes theory, form, ear-training, sight-singing, sight-playing, essentials in conducting and theory of and relationship between all instruments. All students of music are urged to take this course. Autumn M. W. F. Three hours credit. Mr. Madsen.

65. Solfeggio.—Continuation of 64. Winter. M. W. F. Three hours credit. Mr. Madsen.

66. Solfeggio.—Continuation of 65. Spring. M. W. F. Three hours credit. Mr. Madsen.

71. Elementary Harmony and Composition.—This course includes scales; intervals; chords; melody writing; sixth and fourth; the chord of the dominant seventh; the inversions of the dominal seventh chord; the supertonic triad; the submediant triad; the mediant triad; the inversions of the secondary triads; the leading tone triad; disperse harmony; the dominant ninth chord and inversions; the leading tone seventh chord; the diminished seventh chord and its inversions. The work is done in both the major and the minor modes. Autumn. Two hours credit. Mr. Madsen.

72. Elementary Harmony and Composition.—Continuation of 77. Winter. Two hours credit. Mr. Madsen.

73. Elementary Harmony and Composition.—Continuation of 78. Spring. Two hours credit. Mr. Madsen.

74. Advanced Harmony and Composition.—This course is especially recommended to those who expect to major in any branch of music. It includes modulation, secondary seventh chords and inversions, chromatic passing tones, mixed and irregular resolutions of the dominant seventh chord, key relation, non-harmonic tones, harmonizing of florid melodies, accompaniments, the chromatic scale, harmonized, the figured chorals, analysis. The work is done in both major and minor modes. Autumn, Winter, Spring. Two hours credit each quarter. Mr. Madsen.

81. Methods of Teaching Music in Schools.—This course is designed to prepare teachers and supervisors for elementary and secondary schools and colleges. It includes a discussion of the significance, the meaning, score and aims of musical education vocally and instrumentally, the material and equipment to be used, the results to be attained, the relation of music to the other subjects, the influence music has upon the community, the scientific investigations that have established the practical value of music. Careful

consideration is given to the course as adopted by the state, and to other prominent systems. A thorough review is made of essential subject matter and the special methods involved in the teaching of music throughout. Special technique and methods of instruction in every phase of the subject is illustrated by the observation of model lessons in the music training class. Autumn, Winter, Spring, 1:30 to 2:30. Three hours credit each quarter. Mr. Madsen.

91. History and Appreciation of Music.—The object of this course is to develop a clearer and broader understanding of, and a greater appreciation for music through a careful study of its origin and its growth throughout the centuries, and in acquainting the student with the great creative artists and leaders of the past and present in countries, showing how musical life has been interlocked with literature, with the other fine arts and sciences and with the advance of social life in general. Class work will be supplemented by demonstrations with the Victrola. Autumn, Winter, Spring. 10:30 a. m. Three hours credit each quarter. Mr. Madsen.

Private instruction is offered in Theoretical courses.

PHYSICAL EDUCATION

Professor Roberts

Doctor Carroll

Mrs. Ballif

Mr. Twitchell

The purpose of the department is primarily to conserve the health and vitality of the students as well as to establish correct motor habits and to educate for wholesome efficient living. To offset the undesirable effects of sedentary school life, vigorous exercises in the form of games, gymnastics, and competitive athletics is offered. Instruction in personal and sex hygiene is given in connection with the exercise periods so that the students may have a knowledge basis for correct living.

A thorough physical and medical examination will be given every new student upon entering the institution. This aims to give the instructors information as to the physical needs of the student, so that exercises can be prescribed intelligently.

All Freshmen are required to take Physical Education 11 and the other students are urged to engage in some form of physical exercise during their stay at the University. Abundant opportunity is offered for participation in games, sports, hikes, gymnastics, athletics, and dancing.

Students who are found physically fit, and who display the necessary skill in competitive games and athletics will be given opportunity to represent the Student Body in intercollegiate competition. During the period of active training and competition these activities may be substituted for the required work.

The department also offers professional courses which are designed to prepare teachers of physical education, directors of athletics, supervisors of dancing, and leaders in Scout and "Bee-Hive" activities. Those students who complete all the professional courses may upon graduation, be given a special diploma in Physical Education. Students may also major or minor in Physical Education by doing the required amount of work.

All courses listed in the department of Social and Recreational Leadership may be used toward a major in Physical Education.

11. Physical Exercise and Personal Hygiene.—The work in this course is designed to improve the health, strength, and physical efficiency of the student, to develop good posture, correct bearing, and skill in various physical activities. Talks on care of teeth, eyes, ears, nose, throat, hygiene of exercises, bathing, diet, sleep, work, study and recreation will occupy part of the period on Fridays. Required of all Freshmen. Autumn, Winter, Spring. Three hours credit. Time to be arranged. For women: Mrs. Ballif. For men: Professor Roberts.

16. Advanced Gymnastics.—Prerequisite, Physical Education 11. This course will include advanced work in formal gymnastics. Required of students majoring in Physical Education. Open to all. Autumn. M. W. and F. Hours to be arranged. One hour credit. Professor Roberts and Mrs. Ballif.

17. Advanced Apparatus Gymnastics.—Prerequisite Physical Education 11. This course will deal mostly with advanced exercises in light and heavy apparatus gymnastics. Required of all students majoring in Physical Education. Open to all. Winter. M. W. and F. Hour to be arranged. One hour credit. Professor Roberts.

18. Advanced Marching and Rhythmic Exercises.—Prerequisite Physical Education 11. This course will put emphasis upon advanced work in marching, both military and fancy, gymnastic dancing, and rhythmic exercises to music. Required of students majoring in Physical Education. Open to all. Spring, M. W. and F., 3:30. One hour credit. Professor Roberts and Mrs. Ballif.

21. Physical Education for Grade Teachers.—This course is designed to prepare for the supervision of physical exercise, games, plays, and dances in the eight grades of the public school. It will also deal with the common physical asymmetries to be found among school children. Their detection, treatment, and prevention. A study will be made of school furniture and school work as to their effects upon the growing child. Plans for all the grades in corrective gymnastics, health exercises, co-ordination exercises, games and folk dances will be worked out under expert supervision and methods of teaching and directing these activities will be taught. Required of all Normals. Autumn, Winter, Spring. Hour to be arranged. One hour credit. Professor Roberts and Mrs. Ballif.

46. Athletic Coaching and Directing.—This course is designed to prepare students for active supervision and

coaching of athletic activities. It will deal with athletic competition in all its phases: the training and conditioning of athletes, methods of conducting field meets, mass and group competitions, etc. The women will be given instruction in the sports suitable for high school and college women. Required of all students majoring in Physical Education. Open to all. Autumn, Winter, Spring. Five periods per week. 3:30 or 5:30. One hour credit. Mr. Twitchell and Mrs. Ballif.

56. Gymnastic Kinesioly.—Prerequisite Physical Education 11, 16, 17, and 18. Biology 61 and 54. This course will take up the anatomy of the human body with special emphasis upon the study of bones, joints, and skeletal muscles. A careful examination of gymnastic and athletic exercises will be made with reference to their effect upon the function and structure of the body. A study of the physiology of exercise will also be made. Required of the students majoring in Physical Education. Open to all who have the prerequisites. Autumn, Five periods per week. Five hours credit. Time to be arranged. Professor Roberts.

57. Anthropometry, Physical Examination, and Elementary Therapeutics.—Prerequisites, Physical Education 11, 16, 17, 18 and 56; also Biology 61 and 54. This course will deal with the measurement and examination of children and older students, methods of detecting, treating, and preventing the common physical abnormalities. While but an elementary course in the therapeutics can be given, it will be helpful to all teachers, and absolutely necessary to those specializing in Physical Education. Required of major students. Open to all with the prerequisites. Winter. Five periods per week. Time to be arranged. Five hours credit. Professor Roberts.

58. Principles of Gymnastic Teaching.—Prerequisites, Physical Education 11, 16, 17, 18, 56 and 57. Biology

61 and 54. This course will deal principally with methods of gymnastic teaching, content of gymnastic periods, day's orders, methods of commanding, etc., It is aimed as a finishing course of students majoring in Physical Education. Spring. Five Periods per week. Five hours credit. Professor Roberts.

PHYSICS

Professor Eyring

Mr. Olpin

Mr. Williams

11. **Elementary Physics.**—A first course in the elements of mechanics and sound designed for students who do not present entrance physics, but who intend to specialize in science. Two lectures T. and Th. at 10:30 and two three-hour laboratory periods per week. Autumn. Four hours credit. Laboratory fee \$1.00. Professor Eyring and assistant.

12. **Elementary Physics.**—A first course in the elements of electricity and magnetism. Continuation of 11. Two lectures and two three-hour laboratory periods per week. Winter. Four hours credit. Laboratory fee, \$1.00. Professor Eyring and assistant.

13. **Elementary Physics.**—A first course in the elements of heat and light. Continuation of 12. Two lectures and two three-hour laboratory periods per week. Spring. Four hours credit. Laboratory fee \$1.00. Professor Eyring and assistant.

21. **Elementary Physics.**—A first course in the elements of mechanics and sound designed for students who do not intend to specialize in science, but who desire some knowledge of the laws and applications of physics. Autumn, T. and Th. at 10:30. Two hours credit. Professor Eyring.

22. **Elementary Physics.**—Electricity and magnetism. Continuation of 21. Winter T. and Th. at 10:30. Two hours credit. Professor Eyring.

23. **Elementary Physics.**—Heat and light. Continuation of 22. Spring. T. and Th. at 10:30 Two hours credit. Professor Eyring.

31. **Household Physics.**—A first course in the elements of mechanics and sound especially adapted to the needs of students of home economics. The laboratory work will consist of projects in the measurement of weight and volume, in the mechanics of the sewing machine and other household machinery, in the principles of home plumbing and water supply, in the construction of musical instruments, and in the principles of acoustics. Autumn. Two lectures. T. and Th. at 10:30 and one three hours laboratory period a week. Three hours credit. Laboratory fee, \$1.00. Professor Eyring and assistant.

32. **Household Physics.**—A first course in the elements of electricity and magnetism. Continuation of 31. The laboratory work will consist of a study of the construction of household electrical appliances and fixtures and of projects in their repair. Winter. Two lectures. T. and Th. at 10:30 and one three-hour laboratory period per week. Three hours credit. Laboratory fee \$1.00. Professor Eyring and assistant.

33. **Household Physics.**—A first course in the elements of heat and light. Continuation of 32. The laboratory work will consist of projects in temperature, measurement, refrigeration, heating, ventilation, home lighting, etc. Spring. Two lectures. T. and Th. at 10:30 and one three-hour laboratory period per week. Three hours credit. Laboratory fee \$1.00. Professor Eyring and assistant.

41. **Mechanics and Sound.**—This course and courses 42 and 43 are more advanced than Physics 11, 12,

and 13. They constitute a general college course in physics. The completion of this general course will satisfy the requirements in physics made of engineering and medical students: and it is a prerequisite for all the more specialized courses in physics. Prerequisite courses: high school physics or Physics 11, 12, 13 and Mathematics 11. Freshman or Sophomore year. Daily, 1:30 to 3:30. Five hours credit. Laboratory fee \$1.00. Professor Eyring.

42. **Electricity.**—Continuation of 41. Winter. Daily 1:30 to 3:30. Five hours credit. Laboratory fee \$1.00. Professor Eyring.

43. **Heat and Light.**—Continuation of 42. Spring. Daily, 1:30 to 3:30. Five hours credit. Laboratory fee \$1.00. Professor Eyring.

56. **Molecular Physics and Heat.**—Kinetic theory of gases, theory of Brownian movements, methods of measuring molecular magnitudes, laws of thermodynamics and their application to gases, osmotic pressure, change of state, etc. Prerequisites, Calculus, and Physics 41, 42, 43. Senior year. Autumn. Daily. Five hours credit. (Not given 1921-1922.)

57. **Experimental Physics.**—Molecular Physics and Heat.—Measurements of specific heat of gases; density, depression of the freezing point, and raising of boiling point of the different solutions, etc. Vapors, viscosity of liquids and gases, high temperatures. Senior year. Prerequisite Physics 56. Winter. Daily. Five hours credit. Laboratory fee, \$3.00. (Not given in 1921-1922.)

65. **Electricity and Magnetism.**—General principles of magnetism, and electro-magnetism. Static electricity, direct and alternating currents. J. I. Thompson's "Electricity and Magnetism" will be used for reference. Prerequisite. Calculus and Physics 41, 42, 43. T. and Th. at 3:30. Autumn. Two hours credit. (Not given 1921-1922.)

66. **Electricity and Magnetism.**—Continuation of 65 T. and Th. at 3:30. Winter. Two hours credit. (Not given 1921-1922.)

67. **Experimental Physics, Electricity and Magnetism.**—Use of potentiometers, adjustment and use of sensitive galvanometers, calibration of ammeters and voltmeters, accurate measurements of resistance, measurements of earth's magnetic field; absolute measurements of current, potential difference, resistance, capacity; study of direct and alternating current, dynamos and motors; study of alternating current with capacity and inductance in the circuit. This course should be taken in connection with course 65. Prerequisites, Courses 41, 42, 43. M. and F. 3:30-6:30. Autumn. Two hours credit. Laboratory fee \$1.00 (Not given 1921-1922.)

68. **Experimental Physics.**—Electricity and Magnetism. Continuation of 67. M. and F. 3:30-6:30. Winter. Two hours credit. Laboratory fee \$1.00. (Not given 1921-1922.)

69. **Radio Instruments and Measurements.**—A review of the fundamentals of electromagnetism and the principles of alternating currents; a study of the properties of oscillatory circuits, antenna systems and radiation, damped and undamped wave radio telegraphy, and the thermionic vacuum tube as a detector, amplifier, and oscillation generator. Prerequisites, courses 66 and 68. Lecture M. and F. at 3:30. Laboratory T. and Th. 3:30-6:30. Spring. Four hours credit. Laboratory fee \$1.00 (Not given 1921-1922.)

75. **Experimental Optics.**—Geometric optics. During the first part of the course experiments outlined in Mann's Manual of Advanced Optics will be performed, and during the last part special work with the echelon and concave grating will be given. Laboratory fee \$1.00. Lecture T. and Th. at 3:30. Laboratory M. and F. from 3:30 to 6:30. Spring. Four hours credit. (Not given 1921-1922.)

77. Optics and Astrophysics.—Geometric optics, theory of optical instruments, including interferometer, echelon, and diffraction grating, physical optics, Maxwell's electro-magnetic theory of light. Spectroscopy and its application to astronomical problems. Prerequisite, two years' college Physics, and Calculus. Autumn. Daily. Five hours credit. (Not given in 1921-1922.)

78. Optics and Astrophysics.—Continuation of 77. Winter. Five hours credit. (Not given 1921-1922.)

79. Optics and Astrophysics.—Continuation of 78. Spring. Five hours credit. (Not given 1921-1922.)

86. Mechanics and Wave Motion.—Fundamental equations of mechanics and their application to physical problems, vibrations of strings, rods, and plates, sound waves, water waves and Hertzian waves. Prerequisites, Calculus and courses 41, 42, 43. M. T. Th. F, at 8:30 Spring. Four hours credit. Professor Eyring.

87. Laboratory Arts.—Glassblowing, frilling, grinding, and polishing; hard and soft soldering; silvering glass; and other miscellaneous processes connected with the construction and use of apparatus in physical laboratory. Autumn. T and Th. 3:30 to 6:30. Two hours credit. Professor Eyring.

88. History of Physics.—Designed to acquaint the prospective teacher of physics with the historical development of the subject. Winter. T. and Th. 9:30. Two hours credit. Professor Eyring. (Not given 1921-1922.)

89. Seminar.—A meeting of the instructors in physics and interested students for the review of current literature of the subject. No credit.

Students who major in physics have the following courses prescribed: Physics 41, 42, 43, 65, 66, 67, 68, 75.

POLITICAL SCIENCE

Professor Jensen

11. **Government of the United States.**—This course considers the American political system. The more important subjects studied are: American theories of popular government; historical development of American government; citizenship and alien status; suffrage; political constitution making; the national legislative, executive, and judicial departments; civil service reform; status of territories; foreign relations; a survey of State and local government. Open to all students. This course should be elected in the Freshman year by all who intend to major in Political Science. Autumn, 2:30. Four hours credit. Professor Jensen.

14.—**Comparative Constitutional Government.**—A study of the organization and operation of the governments of England, France, Italy, Germany, former Austria-Hungary, Switzerland, and the British self-governing colonies, and leading Latin American nations. Attention is also given to the new European revolutionary governments. Open to all students. Four hours credit. (Not given 1921-1922.)

15. **Political Parties and Party Government.**—A study of the organization and methods of action of political parties in the United States; the development of the party system; convention and direct primary systems; permanent party organization; elements of cohesion in the party system in the leading European countries. Open to all students. Spring, 2:30. Four hours credit. Professor Jensen.

18. **Government of American States.**—A study of the structure and functions of American State government. Among the subjects studied are the constitutional history

of the States; the organization, powers, and activities of the legislative, executive, and judicial departments; the relations of the State to the local government. Particular attention is given to the State and local government of Utah. Four hours credit. (Not given 1921-1922.)

19. Municipal Government.—A study of municipal growth and development in the United States and in the principal European countries. Attention is given to municipal structure, organization, and administration. Among the subjects treated in their relation to municipal government are: The history of municipal growth, public improvements, finances, home rule, politics, and municipal ownership. A valuable course for those who in the future may participate in municipal activities. Four hours credit. (Not given 1921-1922.)

23. American Political Theories.—A study of the development of American political ideas of the Colonial period; the Revolution; Jeffersonian Democracy; Jacksonian Democracy; the Slavery Controversy; the nature of the Union; recent tendencies. Autumn, 1:30. Two hours credit. Professor Jensen.

24. American Political Theories.—Continued. Background of American political thought; typical interpretation of democracy; the consent of the governed; legislative and executive powers; the courts and justice; responsibility of judges to the democracy; the unit of democratic organization; internationalism, pacificism, militarism; the political party and unofficial government; government and liberty; political ideas in American literature. Winter, 1:30. Two hours credit. Profesesor Jensen.

25. Principles of Political Science.—This course aims to present a systematic study of the principles of political science. Among the subjects studied are: the scope and method of political theory; the origin and basis of the

state; the nature of the state; forms of the state; functions of the state; sovereignty; forms of government; distribution of the powers of government; citizenship and nationality. This course should be taken by all students majoring in Political Science. (Not given 1921-1922.)

35. Elements of Law and Jurisprudence.—An examination of the nature and binding force of law; sources and forms of the law; extension of Roman and English legal systems; development of Common Law and Equity; the Common Law in American colonies and States; elements composing English and American law; classification of the authorities and their interpretation. Brief attention will be given to the law of Contracts, Torts, Agency, and Criminal law. The course is non-profesisonal in character. Recommended for those who desire a general knowledge of the Anglo-American legal system such as every layman should have, and especially for those students who are preparing to enter the legal profession. Open to all students. Four hours credit. (Not given 1921-1922.)

36. International Law.—A study of the sources, principles, and sanctions of international law as a result the World War. A course useful for those who desire an understanding of international relations, and of the law governing such relations. Winter, 2:30. Four hours credit. Professor Jensen.

37. American Diplomacy.—The course deals with diplomatic questions during the colonial period; boundary questions; neutral rights and obligations; fisheries; the Monroe Doctrine and its subsequent interpretations; Panama Canal questions; Spanish-American relations; acquisition of new territory; American diplomatic problems in the Pacific and the Far East; the peaceful settlement of international disputes. Some attention will be given to the methods and practices of diplomacy. Four hours credit. (Not given 1921 and 1922.)

In case of request from a sufficient number of students the department is ready to offer the following additional courses in Political Science: Government of England; History of Political Theory; Administrative Law; Constitutional Law of the United States.

Students who desire to register for a pre-legal course of study with the view ultimately of entering the legal profession are invited to confer with the head of the Department. Advice will gladly be extended in all such instances.

PSYCHOLOGY.

Professor Woodward

Professor Brown

Associate Professor Poulson

Assistant Professor Dusenberry

11. **General Course in Psychology.**—Biology 62, a course designed to introduce the student to the fundamental facts concerning the nervous system, is a prerequisite to the study of general psychology. The latter course will introduce the student to the laws of human actions particularly those thought of as being primarily mental. An understanding of these laws should aid the student in controlling his own actions and the actions of others in an understanding manner. Winter; repeated Spring. 9:30, Three hours credit. Professor Woodward.

21. **Educational Psychology.**—A study of the original nature of children and the function of education in modifying and directing their native responses. A review and verification of scientific experiments in the learning process and other applications to schoolroom practice. Autumn 8:30 and 3:30; Winter, 9:30. Four hours credit. Laboratory fee, \$1.00. Professor Woodward and Associate Professor Poulson.

26. **Advanced Educational Psychology.**—This course will deal with the facts and theories of the original

nature or congenital equipment of human beings as a genus. Autumn, 10:30. Three hours credit.

27. Advanced Educational Psychology.—Psychology 26 is a prerequisite to this course. The latter will be a study of the laws of learning, work, fatigue, and individual differences. These two courses should be especially valuable to supervisors, principals, and teachers in active service. Winter, 10:30. Three hours credit.

36. Experimental Psychology.—The lectures in this course will outline the problems of psychology and the laboratory work will illustrate the methods used in investigating these problems. This course should serve as an excellent introduction to the study and understanding of the great variety of mental tests now used in the fields of applied psychology. Laboratory fee, \$1.00. Spring. Daily 1:30 to 3:30. Three hours credit.

45. Physiological Psychology.—An intensive study of the nervous system and its correlation with mental phenomena. Spring, 3:30 to 5:30. Three hours credit.

55. Social Psychology.—A study of the social instincts and their development. Modern social activity explained in terms of social instincts and learning. The field of abnormal psychology will be drawn on for matter illustrating individual differences in congenital equipment. Autumn, 8:30. Three hours credit.

PUBLIC SPEAKING

*Associate Professor Pardoe
Mrs. Ballif*

ORATORY AND EXTEMPORANEOUS SPEECH

11. Principles of Speech.—The elements of speech, proper carriage, principles of voice building and simple outlining of speeches constitute the major portion of this course. The overcoming of self-consciousness and ability

to feel at ease is one of the most important problems developed to a profitable conclusion. Autumn, 9:30. Five hours credit. Associate Professor Pardoe.

12. Vocabulary Building.—Psychology of speech, forms, emphasis and means of imagery, constitute the major portion of this course. Means and methods of vocabulary building developed. Winter, 9:30. Five hours credit. Associate Professor Pardoe.

13. Speech Analysis.—The study of masterpieces and various forms of speech. Practice in delivery and analysis. Most of this course is planned for platform practice, extemporaneous and impromptu. Each student must appear at least three times before student body sessions.

Religious topics and current events will constitute a large portion of the subject material. Spring, 9:30. Five hours credit. Public Speaking 11 and 12 required. Associate Professor Pardoe.

14. Personal Diction Course.—An intensive course dealing with individual speech and gesture defects. Required of all students majoring in the subject. Spring. M. W. F. Three hours credit. Associate Professor Pardoe.

15. Etymology and Advanced Vocabulary Building.—A course designed for those who intend taking up special work in speaking, debating or missionary activities. Courses 11, 12, and 13 required. Spring T. Th. 10:30. Two hours credit. Associate Professor Pardoe.

DRAMATIC ART

21. Elementary Elocution.—Fundamental principles of dramatic art. This course is intended to introduce students to means and manner of studying the printed page. Thought getting from standard selections of literature is the basis of this course. Elements of memory work developed. Autumn. M. T. Th. F. 8:30. Four hours credit. Mrs. Ballif.

22. Classical Literature.—An application of the elements of reading to great scenes of classical literature. Voice and body technique are scientifically treated with relation to their importance to the art of interpretation. Winter. M. T. Th. F. 8:30. Four hours credit. Mrs. Ballif.

23. Dramatic Monologue.—Special attention given to the dramatic monologue and soliloquy. The ability to project thought analysis without losing spirit of selection is given special attention. Public Speaking 11 and 12 are prerequisites. Spring. M. T. Th. F. 8:30. Four hours credit. Mrs. Ballif.

24. Interpretive Literature.—A study of thought and emotion with relationship to the printed page. Required to produce six or more one-act plays, and will assist in major productions of the University. Stage settings and make-up form a part of course. All work done in Studio-Theatre. Winter and Spring. M. W. F. Six hours credit. Advanced students only. Associate Professor Pardloe.

25. Dialogue and Scene Presentation.—The great scenes from Shakespeare, Dickens, Tennyson, Bulwer-Lytton, Goldsmith, and Sheridan form basis of this course. Character analysis and presentation. Winter. Daily 10:30. Five hours credit. Associate Professor Pardoe.

26. Dialect.—The common dialect problems all developed—Scotch, Cockney, French, Italian, Swedish, Yiddish and Negro receive especial attention. Phonetics is the basis of study. Spring. M. W. F., 10:30. Three hours credit. Associate Professor Pardoe.

27. Impersonation.—An advanced course leading to the reading of full programs. Only those who have built a proper voice foundation and can qualify in courses 5, 6, 7, 11, 12 and 13 are permitted to register for this study. All plays or readings are done from memory.

Autumn and Winter. M. W. F. 1:30. Six hours credit. Associate Professor Pardoe.

28. Play Production.—Means and methods of stage technique. Students qualifying for this course are required to produce six or more one-act plays, and will assist in major productions of the University. Stage settings and makeup form a part of course. All work done in Studio-Theatre. Winter and Spring. M. W. F. Six hours credit. Advanced students only.

DEBATING.

31. Debating.—A course given to teach argumentation and debate. Stating of argumentative fact, briefing and means of arranging material. Open to students by arrangement with debating committee, Winter. Hours by appointment. One hour credit.

32. Debating.—A course to give intensive training preparatory for inter-collegiate debating. Winter. Hours by appointment. Two hours credit.

NORMAL READING

51. Normal Reading.—A course designed to teach teachers how to teach reading. Individual instruction given as far as possible and student demonstration are features of course. Course divided into two terms of six weeks, and given only at summer sessions. Two or four hours credit. Associate Professor Pardoe.

PUBLIC SPEAKING—PRIVATE COURSES

61-62. General Public Speaking.—An intensive course in public speaking, especially designed for those who need personal attention or who are preparing for missionary work. One hour credit for each recitation a week during a quarter.

63-64-65. Psychology of Public Speaking.—Individual analysis of personal strengths and defects, to augment

better qualities and to overcome detrimental habits. Given only to students majoring in the subject, or who have marked ability. One hour credit for each recitation a week during a quarter.

66. Normal Reading and Its Pedagogy.—A course given to teachers of reading and voice, presented so as to give the latest psychology and development of methods. Survey and research work required. One hour credit for each recitation a week during a quarter.

71-72-73. Psychology of Emotions and Dramatic Technique.—This course given only to advanced students and deals with gesture technique and its relationship to emotions. Elementary psychology a prerequisite. One hour credit for each recitation a week during a quarter.

SOCIAL AND RECREATIONAL LEADERSHIP

Professor Roberts
Professor Eyring
Mrs. Ballif.
Mr. Twitchell

Physical Education 11, 16, 17, 18, 46, 56, 57, 58 may be used toward a major in this department.

11. Play and Play Supervision.—This course will deal with the various forms of play and recreational activities suitable for Primary, Sunday School, and Mutual Improvement leaders for their active work with the boys and girls. It will take up the play and game interests of the different ages of a child's life and activities suitable for each period will be taught. Opportunity for practice in teaching will be given to all students. Credit in this department may be used as Physical Education credit by students majoring in Physical Education. Autumn. M. W. F. Time to be arranged. Professor Roberts and Mrs. Ballif. Two hours credit.

12. Social Dancing and Home Entertainment.—

This course is designed to prepare students for the teaching and supervision of social dancing in the wards and communities. In addition to dancing and dance supervision, games and other recreational activities suitable for house parties and community indoor gatherings will be taught. Opportunity for practice in teaching and supervision will be given all students taking the course. Winter. M. W. F. Time to be arranged. Professor Roberts and Mrs. Ballif. Two hours credit.

13. Scoutcraft and Beehive Activities.—

This course is designed to prepare leaders in scoutcraft and beehive work and will deal with the essentials to be taught in these activities. Opportunity for practice in leadership will be given to all students taking the course. Spring Quarter. M. W. F. Time to be arranged. Professor Eyring and Mrs. Ballif. Two hours credit.

21. Social Dancing.—Once each week an hour of social dance instruction will be given to all college students. W. at 5:30. No credit. Professor Roberts and Mrs. Ballif.

26. Elementary Aesthetic Dancing.—Course in dancing technique. Fundamentals of position and movement. Interpretive and descriptive dances. Prerequisite Physical Education 11. Required of students majoring in Physical Education. Three periods per week. Hour to be arranged. One hour credit. Mrs. Ballif.

27. Advanced Aesthetic Dancing.—Continuation of Physical Education 26. Advanced course in technique and dramatic dancing. Prerequisite Physical Education 26. Required of all students majoring in Physical Education. Three periods per week. Hour to be arranged. One hour credit. Mrs. Ballif.

36. Play and Playground Supervision.—This course will deal with educational, health, social and physical development values of play in the growth and education of

children. Games and other recreational activities suitable for the different grades will be studied. Instruction will also be given in play supervision, organization of play activities, and playground equipment. Required of students majoring in Physical Education. Open to all. Autumn. Five periods a week. Four hours credit. Time to be arranged. Professor Roberts.

37. Dancing and Social Supervision.—This course is designed to prepare the physical director and play supervisor for social supervision in schools and communities. The instruction will cover the fundamentals of dancing technique, elementary, esthetic and folk dancing, and considerable emphasis will be put upon social dancing and its supervision. Required of all students majoring in Physical Education. Open to all students. Winter. Five periods per week. Hour to be arranged. Four hours credit. Professor Roberts and Mrs. Ballif.

SOCIOLOGY

Professor Swenson

11. Elementary Principles of Sociology.—The nature and development of society, and the growth and function of social institutions. Autumn. 2:30. Four hours credit. Professor Swenson.

12. Elementary Principles of Sociology, Continued.—Socialization and social control. A study of social laws, forces, and ideals, and their relation to social control. Winter. 2:30. Four hours credit. Professor Swenson.

13. Community Organization and Leadership.—This course deals with the problems of community life and action and the method of promoting them through organization and leadership. Special attention will be given Church organizations in their relation to the recreational, ethical, and spiritual life of the community. Spring. 2:30. Four hours credit. Professor Swenson.

15. Rural Sociology.—A course in the study of the

conditions of community life with constructive proposals for economic, educational, recreational, and social betterment. Spring. Three hours credit. Professor Swenson.

24. Americanization of Foreigners.—The course is intended for those who expect to teach the foreign born or who will be concerned with organizing or supervising the work of Americanization of immigrants. Spring. 1:30. Two hours credit. Professor Swenson.

38. Educational Sociology.—An introductory study of the principles of educational sociology and their application to the theory and practice of school administration, curricula, and methods of instruction. Winter. Three hours credit. Professor Swenson.

THEOLOGY

Professor Brimhall.

Professor Henderson.

Professor Jensen.

Professor Osmond.

Professor Swenson.

Professor Martin.

Professor Cummings.

Professor Partridge.

Professor Eyring.

Professor Jepperson.

Professor Reynolds.

Associate Professor Poulson.

Associate Professor Pardoe.

Assistant Professor Cannon.

11. Religion and Ethics.—This course will consider: the parallel development of religion and ethics; the criterion for judging religious and ethical standards; the relation of faith and free agency, conscience and conversion; the function and sphere of the Church; ordinances and ceremonies as spiritual and social forces. Autumn, Winter, Spring. 11:30. Two hours credit each quarter. Professors Cummings and Martin,

12. Special Methods of Teaching Religion.—This course is designed to prepare prospective teachers for more effective service in passing on our great religious heritage in the home, Sunday School, mission field, etc. The following topics will receive special consideration:—

Essential place of religion in education; particularized objectives; principles which should determine the selection and organization of the subject matter; relative merits of the direct and indirect methods; cultivation of automatic factors; value and use of songs, stories, pictures, and memory gems. Moralizing. Planning work for different ages. How to stimulate and guide reading that makes for development of character. The Training School will be used as a laboratory for observation and training. Autumn, Winter, Spring. 11:30. Two hours credit each quarter. Associate Professor Poulson.

13. Scout Leadership.—A course in scoutcraft and leadership designed especially for scoutmasters and prospective scout leaders, but open to all students interested in boy work. Some of the topics to be considered are as follows: history and system of organization of the Boy Scouts of America, class requirements and the study of the scoutcraft involved, hikes and meetings, scout contests and games, story telling, etc. Autumn, Winter, Spring. 11:30. Two hours credit each quarter. Professor Eyring.

14. Hymnology.—A study of the historical, doctrinal, prophetic, and poetic content of Latter-day Saint hymns; classified in accord with the dominant features of the hymns. Previous singing experience a prerequisite. Autumn, Winter, Spring. Two hours credit each quarter. Professors Reynolds and Jepperson.

15. Evolution and Religion.—This course presupposes a knowledge of the fundamental principles of life. Topics considered are: biological facts derived from the fields of comparative anatomy, embryology, paleontology, geographic distribution, etc.; explanations proposed to account for these facts; modifications of these explanations in

the light of genetic research ; direction and extent of human evolution from the biological and religious view points ; a careful study of the Latter-day Saint conception of the origin, extent, and purpose of life in the light of the preceding facts and discussions. Autumn, Winter, Spring, 11 :30. Two hours credit each quarter. Professor Henderson.

16. Socialization of Religious Institutions.—The course deals with religious institutions in their relation to social service. Particular attention will be given to the social function of our own Church and its various organizations. Autumn, Winter, Spring. 11 :30. Two hours credit each quarter. Professor Swenson.

17. Philosophy and Religion.—The purpose of the course is to answer the following questions: What are the fundamental capacities and yearnings of man? What is the nature and value of spiritual vigor? Why believe in a personal God? Why have a church? Why be a Christian? Why be a Latter-day Saint? The pedagogy of High School Theology and the training for social service through church activities will also be discussed. Lectures, class discussions, round table talks and written reports. Autumn, Winter, Spring. 11 :30. Two hours credit each quarter. Professor Osmond.

18. Comparative Religions—This course is intended to give a general perspective of the important religions of the world, their origin, and, as near as possible, how each interprets the meaning of salvation. Among the religions to receive consideration will be the following: Religions of primitive peoples, those of Babylonia, Egypt, Judaism, Mohammedanism, religions of Persia, India, China, Japan, Greece, and Rome ; Catholicism, important sects of Protestantism, Theosophy, Spiritualism, and Christian Science. The aim will be to appreciate the good points as well as the limitations of these religions as compared with the gospel of Jesus Christ as taught in the primitive Church as well as by the Latter-day Saints. Autumn, Winter, Spring. 11 :30. Two hours credit each quarter. Professor Jensen.

19. Ecclesiastical History.—Some of the important subjects treated in this course are: the religious and political world at the Messiah's birth; the rise and spread of Christianity; the intermingling of pagan philosophy with Christian doctrine; the apostasy; the origin and growth of the papacy; the monastic system; growth and suppression of heresies; religious effect of the Renaissance; the Protestant reformation and the rise of religious sects; decline of persecution and growth of religious toleration; restoration of the Gospel; present status of Christendom. Autumn, Winter, Spring. 11:30. Two hours credit. Professor Jensen. (Not given 1921-1922.)

21. Genealogy.—Every family in the Church of Jesus Christ of Latter-day Saints needs a genealogist who knows how to search out and make correct records of the ancestors and descendants of the family.

To prepare young people for this work, this course in Genealogy is given. Some of the subjects studied are: the place of Genealogy in the Plan of Salvation; history of Genealogy; the spirit of Elijah and its effects in the world; making genealogical record; preparation of temple sheets; temple work; work in the genealogical library; heirship and relationship. Names and nick-names. Family organizations, etc. Either Autumn, or Winter, or Spring Quarter. 11:30. Two hours credit. Professor Partridge.

22. Public Discourse.—The subject matter of this course will consist of a study of the principles of the Gospel. Special emphasis will be placed upon the organization of this material for public delivery. Practical training will be given in preaching and public speaking. Autumn, Winter Spring. 11:30. Two hours credit. Associate Professor Pardoe and Assistant Professor Cannon.

23. Materials of Religious Education.—This course comprises the selection and organization of biblical material for curriculum purposes. Special attention will be given to the fundamental principles and doctrines of religious beliefs. ;

Graduates, 1920-21

BACHELOR OF ARTS DEGREE

Ballif, George S.	Rexburg, Idaho
Bird, Elizabeth	Springville
Bond, Taylor	Heber
Bushman, Silas A.	Snowflake, Ariz.
Davies, Bernice	Provo
Day, Ellen Heloise	American Fork
Miner, Laurel	Fairview
Ollorton, Fay	Parowan
Tanner, Mathias C.	Ogden
Wilkinson, Ernest L.	Ogden

BACHELOR OF SCIENCE DEGREE

Bean, Ross Smoot.....	Provo
Richards, Harry S.	Pleasant Grove

ARTS SUPERVISION DIPLOMA

John, Lorenda	Provo
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NORMAL DIPLOMA

Brunner, Pauline	Provo
Jones, Lyle	Provo
Ollorton, Sadie	Provo
Smith, Beatrice	R. F. D., Provo
Tuttle, Alene	Spanish Fork

NORMAL CERTIFICATE

Anderson, Esther	Spanish Fork
Austin, Vera	Lehi
Beesley, Dorothy	Provo

Beutler, Robey	Richfield
Butterfield, Tira	Riverton
Clark, Christie	Mt. Pleasant
Clayson, Zina	American Fork
Day, Galena L.	Provo
Dickson, LaVern	Morgan
Evans, Minnie	Spanish Fork
Farnsworth, Ellen	Beaver
Farnsworth, Frank	Beaver
Follick, Irene	Montpelier, Idaho
Forbes, Katie	American Fork
Fowers, Mae	R. F. D. Provo
Frampton, Vera	Pleasant Grove
Gardner, Regina	Spanish Fork
Garrett, Eleda	Nephi
Gillies, Geneive	Beaver
Graham, Verena	Beaver
Harward, Vera	Aurora
Heelis, Lavern	Santaquin
Holdaway, Marjory	Pleasant Grove
Hull, Melva	Payson
Jackson, Ethel	Fountain Green
Jones, Alice	Lehi
Jones, Dora	Spanish Fork
Jorgensen, Olean	Fountain Green
Lewis, Ione	Spanish Fork
Lundell, Edith	Benjamin
McKee, Elsie	Vernal
Markham, Vernecia	Spanish Fork
Miner, Loie	R. F. D. Provo
Morrill, Eugene L.	Tridell
Newman, Daisy	Pleasant Grove
Olsen, Crista	Fairview
Olpin, Pearl	Pleasant Grove
Pay, Vera	Nephi
Pickering, Zora.	Payson
Reynolds, Birdella	Springville
Richins, Della	Pleasant Grove
Rowe, Florence	Spanish Fork

Smith, Abbie	Pleasant Grove
Smith, Jocie	Mammoth
Smith, Kathryn	Beaver
Smith, Virginia	Pleasant Grove
Shoell, Louise	Pleasant Grove
Stark, Thelma	Payson
Tanner, Inez	Payson
Tietjen, Leatha	Santaquin
Wadley, Fern	Pleasant Grove
Wall, Ramona	Castle Dale
Walker, Nora	Layton
Walker, Rowena	Pleasant Grove
Webb, Vernett	Lehi
Wing, Velma	Lehi
Witbeck, Martin	Fairview

Enrollment of Students

SENIORS

Baddley, Elmer	Salt Lake City
Ballif, George S.	Rexburg, Idaho
Bean, Ross S.	Provo
Bird, Elizabeth	Springville
Bond, Taylor	Heber
Davies, Bernice	Provo
Day, E.Heloise	American Fork
Hillman, Eugene	Pleasant Grove
Miner, Laurel	Fairview
Newman, Frank B.	Pleasant Grove
Richards, Harry S.	Pleasant Grove
Scorup, Edna	Provo
Sumsion, J. Bert	Springville
Tanner, Mathias C.	Ogden
Wilkinson, Ernest L.	Ogden

JUNIORS

Bean, Evelyn	Provo
Beck, Earl A.	Spanish Fork
Bond, Arthur	Heber
Davis, Roscoe E.	Benjamin
Edwards, B. J.	Charleston
Finley, Minnie	Springville
Hansen, LaVerne	Mapleton
Harris, Barry W.	Roosevelt
Harris, Franklin	Provo
Harmon, Ardell	Provo
Holt, Reed	Provo
Jacobsen, Rufus I.	Provo
Loynd, Gladys	Springville
Lundell, Harold	Benjamin

Markham, Ora	Spanish Fork
Nixon, Grace	Provo
Oscarsen, John E.	Pleasant Grove
Pierce, Jessie	Springville
Pierce, Vesta	Gunnison
Reynolds, Helen	Springville
Whiting, Margaret	Mapleton
Williams, Lucile	Provo
Woolley, Mary	Ogden

SOPHOMORES

Adams, Albert E.	Parowan
Anderson, Anna	Levan
Anderson, Esther	Spanish Fork
Ash, Cecil	Pleasant Grove
Aydelotte, Hazel	American Fork
Bate, Birdie	American Fork
Beckstrand, Grant	Meadow
Beckstrand, J. M.	Meadow
Bennett, J. Lamar	Meadow
Billings, Lavon	Provo
Boyack, Wanda	Delta
Boyer, Harlan	Springville
Brimhall, Afton	Provo
Brown, J. Lyman	Provo
Brunner, Pauline	Provo
Carlson, Oscar J.	Pleasant Grove
Christensen, Carl J.	Provo
Christensen, Edith	Starr
Clayson, Merrill D.	American Fork
Clove, Stanley	Provo
Creer, Ina J.	Spanish Fork
Dixon, Maud	Provo
Dickson, Delmar	Morgan
Dunn, Jared W.	Manassa, Colo.
Edwards, Minerva	Provo
Ellertsen, Clarence	Provo
Glazier, Lyle	Provo
Groesbeck, J. Rowe	Springville

Hair, Delamar B.	Provo
Hibbert, Jane	Mesa, Arizona
Hills, W. Cree.....	R. F. D. Provo
Holt, Wm. D.	Spanish Fork
Hughes, Regina	Spanish Fork
Hutchings, Albert L.....	Springville
John, Lorenda	Provo
Johnson, Violet	Provo
Jones, Lyle	Provo
Lewis, Arthur	Spanish Fork
Lewis, Laura	Spanish Fork
Ludlow, Alice	Spanish Fork
McIntosh, Donald H.	Provo
Mecham, Everett	Paris, Idaho
Markham, Aldus	Provo
Markham, Fred L.	Provo
Mayhew, Wayne	Duchesne
Merrill, A. Lyman.....	Provo
Moody, Ward	Hinckley
Morgan, J. Rulon	Spanish Fork
Murdock, Paul	Provo
Newell, Afton	Provo
Noble, LeGrande	Alpine, Arizona
Olpin, A. Ray.....	Pleasant Grove
Olpin, Lloyd	Pleasant Grove
Ollorton, Sadie	Provo
Parkinson, E. W.	Rexburg, Idaho
Rasmussen, N. Gunnar.....	Provo
Reeve, Fenton	Hinckley
Roberts, Paul	Provo
Ross, George Raymond.....	Provo
Rowley, Vaneese	Provo
Roylance, Helen	Springville
Scorup, Veda	Provo
Smith, Beatrice	R. F. D. Provo
Stubbs, Donald	R. F. D. Provo
Sylvester, Fern	Eureka
Taylor, Alice	Provo
Taylor, Henrietta	Provo
Weight, Kenneth	Springville

West, Archie C.	Pleasant Grove
Williams, J. Stewart.....	Provo
Williams, Leon T.	Spanish Fork
Wright, Laverna	Hinckley

FRESHMEN

Anderson, Clair	Manti
Anderson, Mary M.	Lehi
Anderson, Maesa	Lehi
Arnold, Gomar	Castle Dale
Ashworth, Victor	Provo
Austin, Vera	Lehi
Bagley, Lorna	Provo
Beesley, Dorothy	Provo
Beck, Carl	St. Johns, Arizona
Beckstrand, Arland	Meadow
Beckstrand, Milton	Meadow
Bentley, Harold W.	Col. Juarez, Chih., Mexico
Beutler, Robey	Richfield
Bird, J. Lamar.....	Provo
Boley, Myron	American Fork
Bown, Lucile	Provo
Bowman, Maybeth	Kanab
Bradford, Irma	Spanish Fork
Brimhall, Rulon W.	Mesa, Arizona
Bromley, LaVonne	American Fork
Brown, Harold W.	Provo
Bushman, Curtis	Snowflake, Arizona
Butterfield, Tira	Riverton
Candland, Helen	Provo
Cartwright, Susie	Beaver
Chipman, Leah	American Fork
Chipman, Ralph	American Fork
Christensen, Elaine.	Manti
Christensen, Nephi C.	Provo
Christensen, Virginia	Manti
Clark, Christie	Mt. Pleasant
Clark, Nellie	Farmington
Clark, Marie	Georgetown, Idaho

Clark, Rhoda	Georgetown, Idaho
Clayson, Zina	American Fork
Coffman, Glen W.	Springville
Condie, Richard P.	Springville
Corbett, Freda	Kamas
Cornaby, Leslie	Spanish Fork
Crandall, Clyde B.	Rupert, Idaho
Cropper, Melba	Hinckley
Crosbie, Elva	Provo
Cullimore, Leland K.	Pleasant Grove
Cutler, Louis H.	Springville
Dahle, Laverre	Spanish Fork
Davis, Blanche	Provo
Davis, Ida	Benjamin
Davis, Otto	Spanish Fork
Davis, Seth	Salem
Dastrup, Louise	Provo
Day, Galena L.	Provo
Dean, Stanley	Shelley, Idaho
Decker, Briant L.	Idaho Falls, Idaho
Dickson, LaVern	Morgan
Durrant, Vera	Provo
Dyer, Wesley B.	Alamosa, Colo.
Eggertsen, Anna	Provo
Erickson, Orlando	Springville
Evans, Minnie	Spanish Fork
Farrer, Edith	Provo
Farnsworth, Agnes	Rigby, Idaho
Farnsworth, Ellen	Beaver
Farnsworth, Frank	Beaver
Ferguson, Wallace	Spanish Fork
Fisher, Bert	Meadow
Follick, Irene	Montpelier, Idaho
Forbes, Katie	American Fork
Fowers, Mae	R. F. D. Provo
Frandsen, Winnie	Mt. Pleasant
Frampton, Vera	Pleasant Grove
Gardner, Regina	Spanish Fork
Gardner, Robert	Spanish Fork
Gardner, Reed	Provo

Garrett, Eleda	Nephi
Gillies, Geneive	Beaver
Gittins, Lydia M.	McCammon, Idaho
Goddard, Hugh	Provo
Graham, Verena	Fairview
Greer, Ernest	Provo
Greer, Thelma	Wallsburg
Guymon, Glen G.	Provo
Hair, Margarette	Provo
Hales, LaVerne	Provo
Hales, Leah	Spanish Fork
Hanson, Elda	Richfield
Hansen, Ruth Ireta	Richfield
Harris, George	R. F. D. Provo
Harris, Luella	Rexburg, Idaho
Harris, Reed	Driggs, Idaho
Harris, Richard R.	Provo
Harward, Vera	Aurora
Harter, E. H.	Heber City
Hebertson, T. C.	Provo
Heelis, Lavern	Santaquin
Hedquist, Edith	Provo
Hilton, Irvin	Hinckley
Hilton, Virgil	Hinckley
Hinckley, Vera	Ogden
Hinckley, George	Provo
Holdaway, Marjory	Pleasant Grove
Holdaway, Orin	Pleasant Grove
Holbrook, Rachel	Provo
Holt, Leo J.	Spanish Fork
Hoover, Reed	Provo
Horne, Ruth	Mesa, Arizona
Hubbard, Alvin G.	Willard
Huish, Ione	Provo
Hull, Melva	Payson
Ivie, Leon	Salina
Jackson, Ethel	Fountain Green
Jarman, Erma	Pleasant Grove
Johnson, Elma	Lovell, Wyoming
Jones, Alice	Lehi

Jones, Dora	Spanish Fork
Jorgensen, Olean E.	Fountain Green
Kerr, Hal	Provo
Kerr, J. Ralph	Provo
Kirkham, Alice	Lehi
Kleinman, LaRue	Mesa, Arizona
Knudsen, Harold	Provo
Knudsen, Lillian	Lehi
Larsen, Ardath	Fairview
Lewis, Ione	Spanish Fork
Litchfield, R. C.	Provo
Lundell, Edith	Benjamin
McConkie, John H.	Vernal
McElrath, Alma	Mesa, Arizona
McKee, Elsie	Vernal
McKenzie, Thelma	Springville
Manwill, Elon	Payson
Manwill, Vearl J.	Payson
Markham, Vernicia	Spanish Fork
Mathews, Elmer	Somerset, Colo.
Maudsley, Lela	American Fork
Maw, Carlyle	Provo
Meeks, Leah	Kanab
Mendenhall, Wilford	Springville
Meredith, Leo	American Fork
Meservy, Helen	Provo
Metcalf, Morris S.	Rexburg, Idaho
Michie, Hilda	Tabiona
Miner, Lela	R. F. D. Provo
Miner, Loie	R. F. D. Provo
Miner, Verda C.	Fairview
Monson, Alice	Pleasant Grove
Morrill, Eugene L.	Tridell
Mortimer, Geo. H.	Provo
Munk, Gladys	Manti
Newman, Daisy	Pleasant Grove
Nelson, Lyle	Provo
Nielson, Ardella	Spanish Fork
Nichols, Rulon	American Fork
Olsen, Christa	Fairview

Olsen, Frank A.	Manti
Olson, Gertrude	Provo
Olson, Roland L.	Provo
Olpin, Pearl	Pleasant Grove
Oliphant, Elgin	Orangeville
Page, Douglas	Provo
Parker, Donald W.	American Fork
Pay, Vera	Nephi
Peay, Marian V.	Provo
Perry, Orva	Lovell, Wyoming
Petersen, Fern	Richfield
Peterson, Willis L.	Pleasant Grove
Phillips, Lizzie	Springville
Phillips, Ruby	Provo
Phillips, Thos. Victor.	Springville
Pickering, Zora	Payson
Pixton, Helen	Riverton
Poulson, Amy L.	Provo
Poulson, Rhoda	R. F. D. Provo
Porter, Veda J.	Morgan
Radmall, Vilace L.	Pleasant Grove
Randall, Lloyd	Idaho Falls, Idaho
Reynolds, Arch S.	Springville
Reynolds, Birdella	Springville
Reynolds, Ruth	Mt. Pleasant
Richins, Della	Pleasant Grove
Robertson, Russell	Spanish Fork
Robertson, Louie	Lovell, Wyoming
Roundy, Clayton	Provo
Rowe, Florence	Spanish Fork
Shelley, Ida	American Fork
Shoell, Louise	Pleasant Grove
Slack, Irvin J.	Provo
Smart, Muriel	Provo
Smith, Abbie	Pleasant Grove
Smith, Aikens	Snowflake, Ariz.
Smith, Jocie	Mammoth
Smith, Kathryn	Beaver
Smith, Virginia	Pleasant Grove
Snow, Wm. J. Jr.	Provo

Somo, Marion	Provo
Stanton, Wm. D.	Eureka
Stark, Thelma	Payson
Stevens, Reva	Aurora
Stott, Karl	Meadow
Swenson, Russell	Pleasant Grove
Tanner, Inez	Payson
Taylor, Pearl	Provo
Tietjen, Leatha	Santaquin
Tuttle, Alene	Spanish Fork
Vincent, Glen	R. F. D. Provo
Wakefield, John Homer.....	Provo
Wadley, Fern	Pleasant Grove
Wall, Ramona	Castle Dale
Walker, Margaret	Pleasant Grove
Walker, Nora	Layton
Walker, Floyd A.	Pleasant Grove
Walker, Rowena	Pleasant Grove
Wanlass, Frank E.	Eureka
Webb, Vernettt	Lehi
Weeks, Lorin	Pleasant Grove
West, Opal	Pleasant Grove
West, Myron	Pleasant Grove
Whitehead, Roland	Provo
Whitehead, LeRoy	Provo
Whitaker, Susa P.	Provo
Willis, Bertha	Provo
Witbeck, Martin	Fairview
Wing, Velma	Lehi
Wing, Norman B.	American Fork

UNCLASSIFIED

Anderson, Cordelia	Manti
Anderson, R. P.	Price
Anderson, Sarah	Grantsville
Baird, Chestina	Provo
Banks, Laverne	Provo
Barnes, J. Ralph	Nephi
Bean, Chas. S.	Provo

Bean, Milo	Provo
Bentley, Edward	Provo
Bee, Florence	Provo
Bird, Isabel	Springville
Brimhall, Geo. W.	Provo
Bushman, Ruia H.	Provo
Bushman, Silas A.	Snowflake, Ariz.
Butler, Harry	Provo
Campbell, Jennie	Provo
Cardall, Claud	Provo
Carroll, Elsie C.	Provo
Carter, J. Norman	Provo
Cheney, Silas L.	Provo
Childs, Luther D.	Provo
Clayson, Agnes R.	Provo
Coffman, Dora	Springville
Connell, Wm. C.	Meadow
Conover, Wilson	Provo
Cox, Byron G.	Manti
Crandall, Agnes L.	Provo
Crandall, Fred	Provo
Davies, Chas. H.	R. F. D. Provo
Davis, Ray	Provo
Eastmond, Margaret H.	Provo
Edwards, Clarence	Provo
Eggertsen, Thelma	Provo
Eyring, Fern C.	Provo
Finlayson, Amy T.	Provo
Fitzgerald, May	Provo
Fitzroy, Mary	Provo
Gardner, Fenton	Pine Valley
Gee, Leland, ...	Provo
Goodridge, Maurine	Provo
Gilchrist, Olive Y.	Provo
Hansen, Mrs. Arthur	Provo
Harrison, J. Wm.	Knightsville
Hawley, Fon Ray	Oasis
Haws, Amanda	Provo
Hayes, Lottie H.	Provo
Henrie, Sadie H.	American Fork

Henderson, Ellen C.	Provo
Howe, Velma	Provo
Jensen, Lillian	Mendon
Jensen, Julia B.	Provo
Jepperson, Marguerite	Provo
Johnson, A. Rex	Provo
Jolley, Merrill A.	Lovell, Wyoming
Kartchner, Leona	Snowflake, Ariz.
Keeler, Eva J.	Provo
King, Karl V.	Salt Lake City
Larson, Dean M.	Manti
Lindsay, Lisle	Provo
McAllister, B. W.	Provo
McKell, Vernon	Spanish Fork
Meservy, E. S.	Provo
Miner, Orson L.	Fairview
Moody, Bryant	Hinckley
Mortimer, Mary	Provo
Newell, Florence	Provo
Olsen, Maurine	Provo
Olsen, Alta	Vernal
Ollorton, Mary E.	Provo
Partridge, Ruth	Provo
Peterson, Lionel L.	Fairview
Phillips, Lucy A.	Springville
Pierce, Cleo	Springville
Poulton, Carol	Provo
Poulson, Emma C.	Provo
Powelson, Vivian S.	Provo
Prows, Seymour V.	Salina
Rees, John R.	Wales
Roberts, Bertha D.	Provo
Roberts, Frank E.	Provo
Robinson, Euroka	Hinckley
Shepherd, Desta	Benjamin
Snow, Hattie T.	Provo
Sorenson, Dora	Redmond
Sorenson, Rosetta	Redmond
Spencer, Ethel	Provo
Sproul, Elmo C.	St. George

Staley, Jesse	Provo
Stewart, Kilton	Provo
Stowell, Lucile C.	Provo
Stowell, Wm. C.	Provo
Swan, Douglas	Provo
Taylor, Afton E.	Provo
Taylor, Jennie M.	Provo
Taylor, Nellie	Provo
Thomas, H. C.	Spanish Fork
Tuttle, Lucile	Manti
Wakefield, J. F.	Provo
Wakefield, Emma H.	Provo
Wilkins, Mrs. Jennie	Provo
Wood, Winnie	Vernal
Wright, Hattie	Provo
Wunderly, Olga	Provo
Young, H. M.	Ellsworth, Maine
Young, John A.	Twin Pines, Idaho

SUMMER SCHOOL STUDENTS

Adamson, Laura J.	Carey, Idaho
Aird, Virginia	Provo
Allen, Louisa H.	Hyrum
Allred, Lois	Spring City
Anderson, Archibold H.	Mt. Pleasant
Anderson, Andrew B.	Lehi
Anderson, Everett E.	Morgan
Anderson, Mrs. Jane	Sanford, Colo.
Anderson, Florence	Pleasant Grove
Anderson, Nora J.	Pima, Ariz.
Anderson, Ora	Fairview
Anderson, Robert	Provo
Anderson, Vesta	Springville
Anderson, Victor C.	Castle Dale
Arrington, Pearl	Twin Falls, Idaho
Asay, Eleanor	Castle Dale
Baird, Edwin	Provo
Bailey, Lasca	Provo
Baker, Geneva	Bicknell

Ballif, George S.	Rexburg, Idaho
Ballard, Orlando D.	Draper
Bartlett, Wm.	Blackfoot, Idaho
Barker, Cecilia S.	Salt Lake City
Barker, Lucile	Salt Lake City
Barnes, Martha E.	Kaysville
Barnes, C. Douglas	Salt Lake City
Bean, Ross Smoot	Provo
Beckstrom, Wm. C.	Spanish Fork
Belnap, Henry	Almo, Idaho
Bentley, Maggie I.	Colonias, Juarez
Bennion, June	Roosevelt
Bennett, Mark L.	Holden
Behunin, Crystal	Castle Dale
Betts, Lucille	Payson
Biddulph, Samuel	Provo
Billings, Buenna	Jensen
Billings, Mary	Manti
Bjerregaard, Oscar	Goshen
Blake, Lois	Hinckley
Blizzard, Howard	St. Johns, Ariz.
Blaylock, John Q.	Ogden
Black, Seymour P.	Richfield
Blackham, Mrs. Olive	Ogden
Blackham, Lucia	Ogden
Booth, J. W.	Alpine
Bolts, Agnes M.	Salt Lake City
Boss, Rosetta	Midway
Boyle, Melva	Provo
Bramwell, Ernest	Salt Lake City
Brimhall, Afton	Provo
Brinkerhoff, Grace	Teasdale
Brinkerhoff, Ruby	Teasdale
Broadbent, Fern	Provo
Brothers, Almina	Sanford, Colo.
Brown, E. Ray.	Lovell, Wyoming
Brown, Hugh B.	Cardston, Canada
Brunner, Alice	Provo
Brunner, Pauline	Provo
Buchanan, Vina	Manti

Burgess, Dora	Alpine
Bushman, Ruth	Lehi
Butler, Prue	Driggs, Idaho
Buttle, William	Provo
Call, Willard	Bancroft, Idaho
Campbell, Jennie	Provo
Carlisle, Florence	Logan
Carlston, Ione	Springville
Chappell, Unity	Nephi
Cheney, Silas L.	Provo
Chipman, Mary	American Fork
Christiansen, Jennie	Hyrum
Christensen, P. A.	Logan
Clark, Eva	Pleasant Grove
Clark, G. Rulon	Provo
Clark, Lizzie	Panguitch
Clayton, Miriam	Paris, Idaho
Clayton, Susanna	Paris, Idaho
Cook, A. L.	Logan
Cooper, Mary Leone	Pleasant Grove
Cooper, Mary	Pleasant Grove
Coombs, Ellis D.	Fairview
Coffman, Dora	Springville
Colings, Leah	Paris, Idaho
Connell, Wm.	Meadow
Creer, Ruth	Spanish Fork
Crouch, Daisy	Morgan
Cutler, Margaret H.	Burley, Idaho
Cutler, Minda M.	Sdelley, Idaho
Crandell, J. Rufus	Snowflake, Arizona
Davies, Bernice	Provo
Dean, John I.	Shelley, Idaho
Dixon, Rhea	Provo
Drumiler, O. M.	Ogden
Duke, Lillie L.	Heber
Duke, Violet	Provo
Dunford, Letha	Bloomington, Idaho
Dunford, Lillie	Bloomington, Idaho
Dyches, Mrs. Eda A.	Castle Dale
Dyches, Thos. W.	Mt. Pleasant

Edwards, Clarence	Provo
Ellertsen, Lila	Provo
Ellsworth, Geo. A.....	Lyman, Wyo.
Engar, Chas. J.	Preston, Idaho
Engar, Alveretta	Preston, Idaho
Evans, Lucretia Miles.....	Roosevelt
Evans, Elizabeth	Provo
Evans, Flossie	Safford, Ariz.
Farr, Sarah A.	Arimo, Idaho
Farnsworth, Dennis	Beaver
Faux, Eugene L.	Moroni
Ferguson, Norma	Spanish Fork
Ferguson, Orpha	Provo
Fishburn, F. W.	Brigham City
W. J. Flowers.....	Overton, Nev.
Foote, Valera	R. F. D. Provo
Forbes, Mrs. Mamie.....	Salt Lake City
Foster, Ida	Provo
Foster, Louise	Provo
Foulger, Mrs. Lucille F.	Ogden
Fox, Geo. A.	Lehi
Fuller, Perry B.	Silver City
Fuller, Zina	Silver City
Gale, Nettie	Beaver
Gardner, Alice L.	Delta
Gardner, J. R.	Richfield
Gardner, Gladys B.	Afton, Wyo.
Gavin, Mrs. Marguerite.....	Provo Canyon
Geary, Chas. C.	Morgan
Gerrard, Violet	Evanston
Goates, Edith	Lehi
Goodwin, Arema	Lehi
Goldsbrough, Floyd	Knightville
Govinge, Fannie	Oakley, Idaho
Granger, Hazel D.	Cedar City
Greene, John P.	Smithfield
Groesbeck, Rowe	Springville
Grover, Marba	Loa
Hafen, Arthur K.	St. George
Hair, Wm.	Marian

Hair, Margarette	Provo
Hale, Minnie A.	Chester, Idaho
Hale, Bessie G.	Boise, Idaho
Hale, Howard H.	Chester, Idaho
Hansen, Tirza	Loa
Hansen, Edward L.	Hoytsville
Harter, E. H.	Heber
Harris, Cecil	Layton
Harris, H. S.	R. F. D. Provo
Harrison, J. Wm.	Knightville
Harrison, J. Stanley	Knightville
Harrison, Walter F.	Knightville
Haskell, Martha	Manassa, Colo.
Haws, Inez R.	Holbrook, Idaho
Haws, Joseph W.	Holbrook, Idaho
Haynie, R. M.	Manassa, Colo.
Hayward, Mrs. Dora R.	St. Charles, Idaho
Hayward, Ira N.	St. Charles, Idaho
Hegsted, Hannah G.	Driggs, Idaho
Higgins, Jesse R.	Provo
Higginson, Wm. L.	Hatch, Idaho
Hilton, Ruth S.	Blackfoot, Idaho
Hilton, Hyrum	Lewisville
Hilton, Eugene	Blackfoot, Idaho
Hinckley, H. A.	Hinckley
Hinckley, Mabel	Hinckley
Holdaway, Edna	Pleasant Grove
Holbrook, Rachel	Provo
Holbrook, Martha S.	Malad, Idaho
Holt, Wm. D.	Spanish Fork
Holt, Florence	Provo
Huber, Clara	Midway
Huber, Eva	Midway
Huish, Alberta	Provo
Huish, LaVieve	Provo
Hull, Melva	Payson
Hulet, Sadie, P.	Driggs, Idaho
Hutchings, Irene	Beaver
Hyde, Barney	Ephraim
Hyde, Chas. S.	Salt Lake City

Hyde, G. Osmond.....	Downey, Idaho
Hyde, Maria R.	Pocatello, Idaho
Ipsen, Nephi R.	Malad, Idaho
Jackson, Amy	Provo
Jackson, Elvera	Manassa, Colorado
Jacobsen, Ernest A.	Heber
Jacobson, B. H.	Salt Lake City
Jarman, V. E.	Twin Falls, Idaho
Jackman, Ada K.	Spanish Fork
Jack, Ella D.	Oakley, Idaho
Jenkins, Joseph	Salem
Jenson, Jos. Y.	Ephraim
Jensen, Julia B.	Provo
Jensen, Peter D.	Ephraim
Jepperson, Marguerite	Provo
Johnson, Frank	Roosevelt
Johnson, Mignon	Provo
Johnson, Celestia	Provo
Johnson, Violet	Provo
Jolley, Effie	Provo
Johnson, A. Theodore	Vernal
Jones, Mae	Duncan, Ariz.
Jones, D. Dudley	Chandler, Ariz.
Jones, Lyle	Provo
Jones, Mrs. Maud T.	Albion, Idaho
Jones, Marvin W.	Blanding
Jorgensen, Enoch	Sandy
Joseph, Arthur	Parowan
Kartchner, Thalia	Snowflake, Ariz.
Kelly, Clover M.	Bancroft, Idaho
Kerr, Jennie	Provo
Kindred, Emeline	Springville
King, J. W.	Grace, Idaho
Kingsford, Willard	Downey, Idaho
Knowlton, Rose J.	Farmington
Knowlton, Geo. Q.	Farmington
Kynaston, Joseph	Burley, Idaho
Larson, Clinton	American Fork
Lee, Mrs. Armenia W.	Cardston, Canada
Lee, Inez H.	Thatcher, Ariz.

Leonard, A. L.	Huntington
Leonard, Stella	Huntington
Lewis, Ione	Spanish Fork
Lewis, George K.	Mesa, Arizona
Lewis, Ora	Provo
Lindsay, Elizabeth	Provo
Lindsay, Lisle	Provo
Lisonbee, Margy	Provo
Losee, Amelia	R. F. D. Provo
Lovett, Veda	Bluffdale
Loveless, Ray E.	Provo
Luke, Leva	Orangeville
Lybbert, Jacob N.	Vernal
McAllister, R. W.	Blanding
McNeil, Jean	American Fork
McQuarrie, E. S.	Midway
McGregor, Charles	Cleveland, Idaho
McGregor, Mrs. Merna R.	Cleveland, Idaho
McRibben, M. E.	Burley, Idaho
Marriott, Mrs. Della	Garland
Marshall, Robert G.	Randolph
Marsing, Henrietta	Price
Mason, Paul	Parker, Idaho
Matley, Eleanor	Spanish Fork
Matthews, Ada	Liberty, Idaho
Mathis, Mary F.	Price
Mathews, Kate	Provo
Maudsley, Lela	Lehi
Maughan, Barbara	Wellsville
Mecham, Lucian Jr.	C. Juarez Chih.
Mecham, Everett	Paris, Idaho
Messick, Frances	Idaho Falls, Idaho
Michie, Violet	Tabiona
Miles, Rae	Smithfield
Miles, Josephine	St. George
Miller, Vernessa	Parker, Idaho
Moody, Ward	Hinckley
Moore, Samuel D.	Pleasant Grove
Monson, L. M.	Pleasant Grove
Morton, Stella	LaJara, Colorado

Mouritsen, Willard	Montpelier, Idaho
Munford, Elizabeth	Beaver
Murdock, Leah	R. F. D. Provo
Murphy, Castle	Ogden
Nelson, Florence	Pleasant Grove
Nelson, Mary A.	Rigby, Idaho
Newell, Afton	Provo
Newell, Helen	Provo
Nielson, Nora	Manti
Nielson, Zola A.	Blanding
Nilsson, Ralph F.	Provo
Nichols, Vera	Springville
Nixon, Grace	Provo
Noble, Julia T.	Ogden
Noble, Hazel E.	Alpine, Ariz.
Noble, LeGrande	Alpine, Ariz.
Oberhansly, Fern	Payson
Oberhansly, Pearl	Provo
Ollorton, Sadie	Provo
Olpin, Joseph	Pleasant Grove
Olsen, Alice	Fairview
Olsen, Alta	Fairview
Olsen, Dewey S.	Manti
Olson, Maurine	Provo
Ottosen, Clifton	Manti
Ostler, M. H.	Tooele
Pace, Mrs. Belle B.	Price
Pace, H. A.	Price
Pace, Mory E.	Price
Pack, Margaret E.	Kamas
Palmer, Elwyn	Pocatello, Idaho
Paxman, Arthur	St. George
Paxman, Hattie	Washington
Pearce, Mrs. C. R.	Montpelier, Idaho
Peterson, Esther	Chandler, Arizona
Peterson, Maggie	Smithfield
Peters, Peary D.	Brigham
Perkins, Margaret C.	Blanding
Phillips, Lelia	R. F. D. Provo
Phillips, Lucy	Springville

Phillips, Pauline	Provo
Proell, Parley	Coalville
Poulsen, Ezra J.	Nephi
Probst, Alice	Midway
Probst, Clarence	Midway
Rasmusson, Ernest R.	Pleasant Grove
Rasmusson, N. G.	Pleasant Grove
Rasmusson, Stanley A.	Draper
Rawlinson, Dora	Fairview
Reed, Ralph	Sanford, Colo.
Redd, Wayne H.	Blanding
Reid, Edgar T.	Manti
Rich, Abel S.	Brigham City
Richards, Louise	Salt Lake City
Richards, Mrs. Pearl	Midview
Richardson, Thornton	Midview
Rigby, W. Ray	Juniper, Idaho
Roberts, Ann R.	Twin Fals, Idaho
Roberts, Bertha	Colorado
Roberts, L. Paul	Provo
Roberts, Wm. D.	Provo
Roberts, Jesse L.	Sugar City, Idaho
Robinson, Lorette	Richfield
Robison, Ellis	Cainesville
Rollins, Emma	Mesa, Arizona
Roper, Mandy	Oak City
Rowe, Glen	Moore, Idaho
Rowley, Geo. A.	Ewell
Sainsbury, R. H.	Vernal
Schow, Zelma	Cowley, Wyo.
Scorup, Edna	Provo
Searle, Lester W.	Castle Dale
Seeley, Bertha	Castle Dale
Seeley, Bertrude	Castle Dale
Shawcroft, Vera M.	LaJara, Colorado
Shawcroft, Vernice L.	LaJara, Colorado
Shepherd, Rachel S.	R. F. D. Salt Lake City
Sherman, Vida	Huntington
Simpson, Floretta	Heber
Simmons, Lee	Spanish Fork

Slack, Dora	Provo
Smart, Mrs. Anna	Roosevelt
Smart, Henriette N.	Provo
Smith, Blanche	Bicknell
Smith, Belle	Provo
Smith, Elizabeth	Manassa, Colo.
Smith, Gladys	Centerville
Snow, Annie D.	Cardston, Canada
Snow, Emma	Provo
Snow, Pearl	Provo
Snow, Pearl	L. Wellington
Soelberg, Earl J.	Idaho Falls, Idaho
Soelberg, Exie	Idaho Falls, Idaho
Spencer, Ethel	Provo
Spencer, Seymour H.	Paris, Idaho
Steele, Ellis J.	Salina
Stevens, Aggie H.	Ogden
Stewart, Preston R.	Nephi
Sumsion, Anna	Springville
Swan, Jennie	Salt Lake City
Swenson, Margaret	Provo
Swenson, Lorenzo	Montpelier, Idaho
Tanner, M. C.	Ogden
Taylor, Angeline H.	Salt Lake City
Taylor, Victor	Provo
Taylor, Luella B.	Raymond, Canada
Thomas, Burke	Knightville
Thomas, Mrs. Jennie	Carey, Idaho
Thomas, Myra	Lehi
Thomas, Eliza M.	Heber
Thomson, Leonard	Mt. Pleasant
Thomson, A. Wells	Ephraim
Thomas, Edna Harker	Salt Lake City
Tooth, Sarah	Manti
Turner, Ella	Monroe
Turner, Floy L.	Monroe
Tuttle, Hubbard	Spanish Fork
Udall, Joyce	Eagar, Arizona
Valentine, Ellen B.	Brigham
Vance, Hazel D.	Mesa, Arizona

Wadley, Jessie R.	Manila
Wakefield, Emma H.	Provo
Wakefield, Homer	Provo
Wakefield, Vesta	Huntington
Walker, Ada H.	Rexburg, Idaho
Walker, Ruth	Provo
Wardell, Alice	Cowley, Wyo.
Warner, Wm. H.	Nephi
Warner, Thelma	Rexburg, Idaho
Watson, Vera	Charleston
Webb, Phoebe A.	Twin Falls, Idaho
Weber, Martha	Hanksville
West, A. C.	Pleasant Grove
West, Viola	Pleasant Grove
Westover, Ruth	Washington
Whipple, Jena	Lehi
Whitaker, John M.	Salt Lake City
Whitehead, Mrs. Geo. E.	Provo
Whitwood, E. G.	Spanish Fork
Whiting, Fern	Mapleton
Whiting, Margaret	Mapleton
Willey, Emerson C.	Salt Lake City
Willis, Bertha	Provo
Willis, Georgia	Provo
Wilson, Cecil	Midway
Wilson, Estella	Payson
Wilkins, Jennie	Provo
Wilmot, Alzada	Springville
Williams, Elizabeth C.	Salt Lake City
Williams, Venice	Idaho Falls, Idaho
Williams, Thos. E.	Kaysville
Wintle, Joseph B.	Ogden
Woodland, Daniel	Malad, Idaho
Woolley, Mary	Ogden
Wright, Laverna	Hinckley
Wyler, Geo. A.	Payson
Young, Ernest W.	Colonia Juarez
Young, Francis M.	Provo
Zwahlen, Samuel	Castle Dale

SUMMARY OF ATTENDANCE, 1920-21

Seniors	15	
Juniors	23	
Sophomores	72	
Freshmen	223	
Unclassified	105	
Summer School, 1920		438
Secondary School		500
Elementary Training School		531
		276
		1,745
Less number counted twice		58
Total receiving resident instruction		1,687

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Home Econom
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Ironwork ..
Instrumental
Latin
Library
Literary Club
Mathematics .
Mechanics ...
Modern Langu
Music



